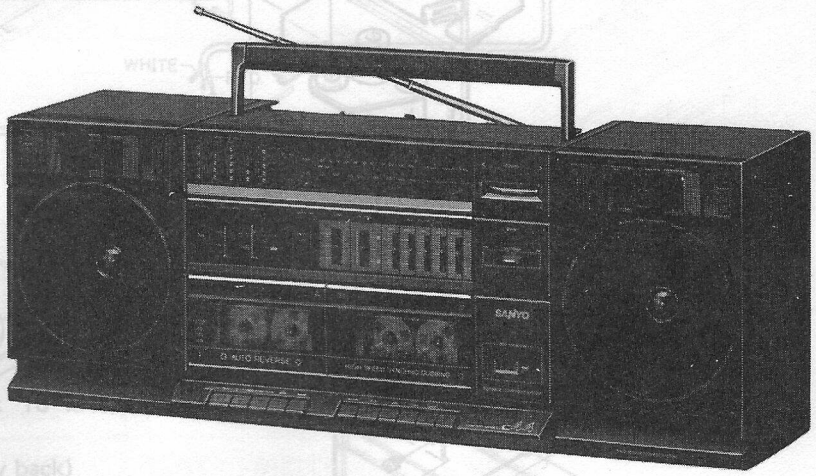
SERVICE MANUAL

SANYO

C44 (U.S.A)

CASSETTE RECORDER

PRODUCT CODE NO.
142 780 00 (Black)



SPECIFICATIONS

Recording system	**AC bias, 4-track stereo**
Erasing system	**AC erase, 2-track**
Tape speed	**4.75cm/sec. (1-7/8 i.p.s.)**
Frequency range	**AM: 525 — 1,615kHz**
	FM: 88 — 108MHz
Frequency response	**63 — 14,000Hz**
Output power	**5.5W × 2 (maximum)**
Power source	**DC: 15V, "D" × 10**
	AC: 120V, 60Hz
Dimensions	**659(W) × 248(H) × 180(D)mm**
	(26-1/16 × 9-13/16 × 7-1/16)
Weight	**14 lbs. 10 ozs**

Specifications subject to change without notice.

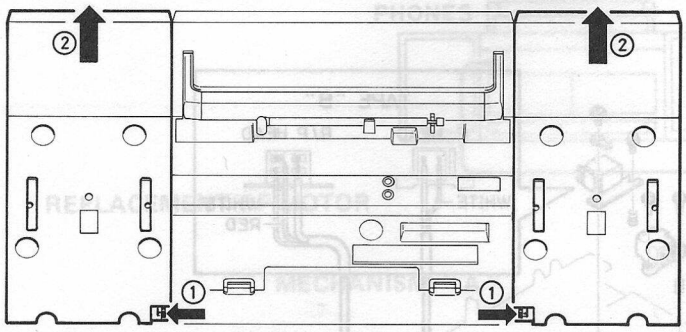
SANYO ELECTRIC INC.: 1200 WEST ARTESIA BLVD., COMPTON, CALIFORNIA 90220

REFERENCE NO. WM-20813

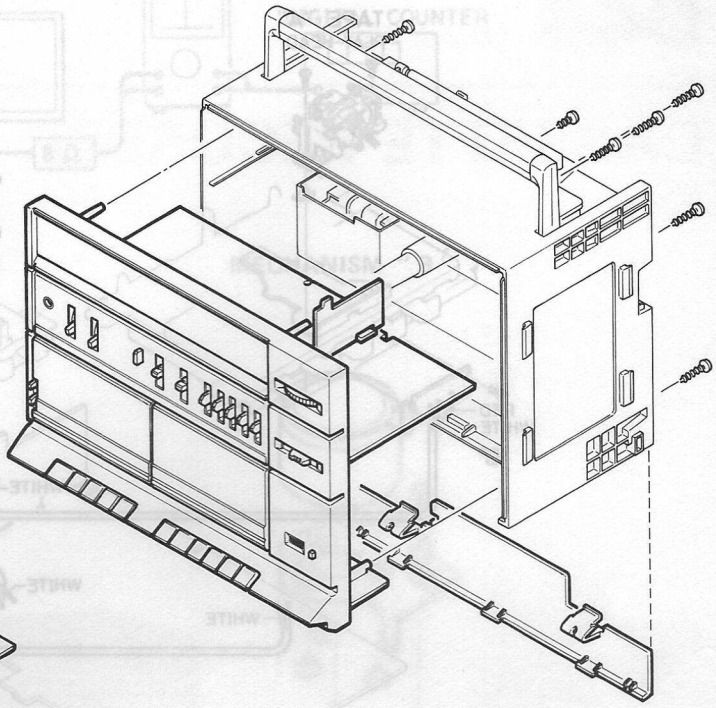
* This recorder incorporates two mechanisms, The left side mechanism for playback is referred to as TAPE A, and the right side mechanism for record/monitor is called TAPE B in this manual.

DISASSEMBLY

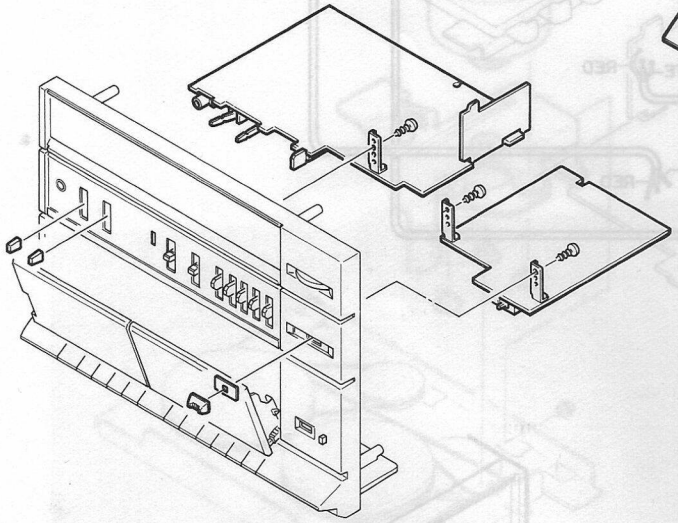
SEPARATION OF SPEAKER BOX



REMOVAL OF FRONT PANEL

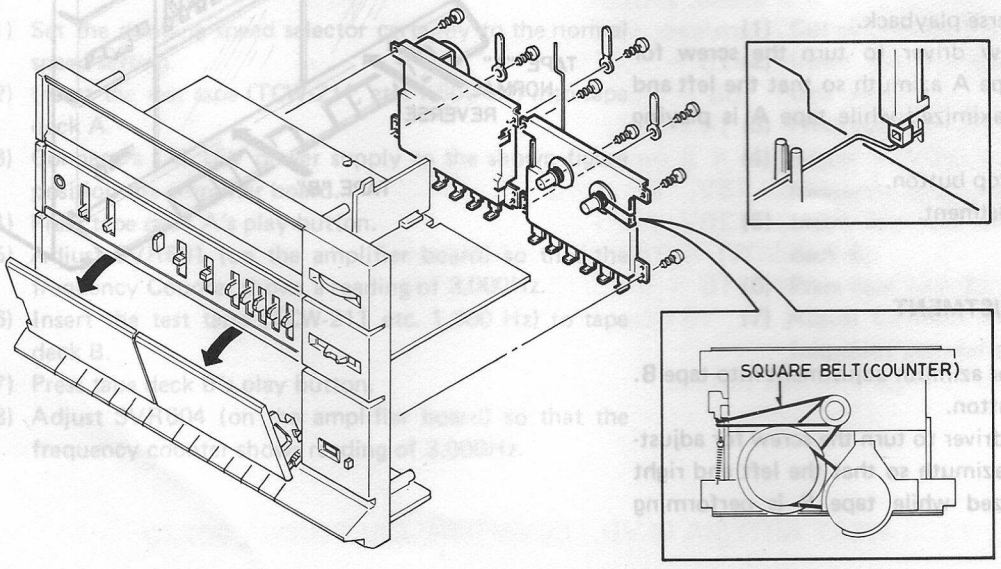


REMOVAL OF P. C. BOARD



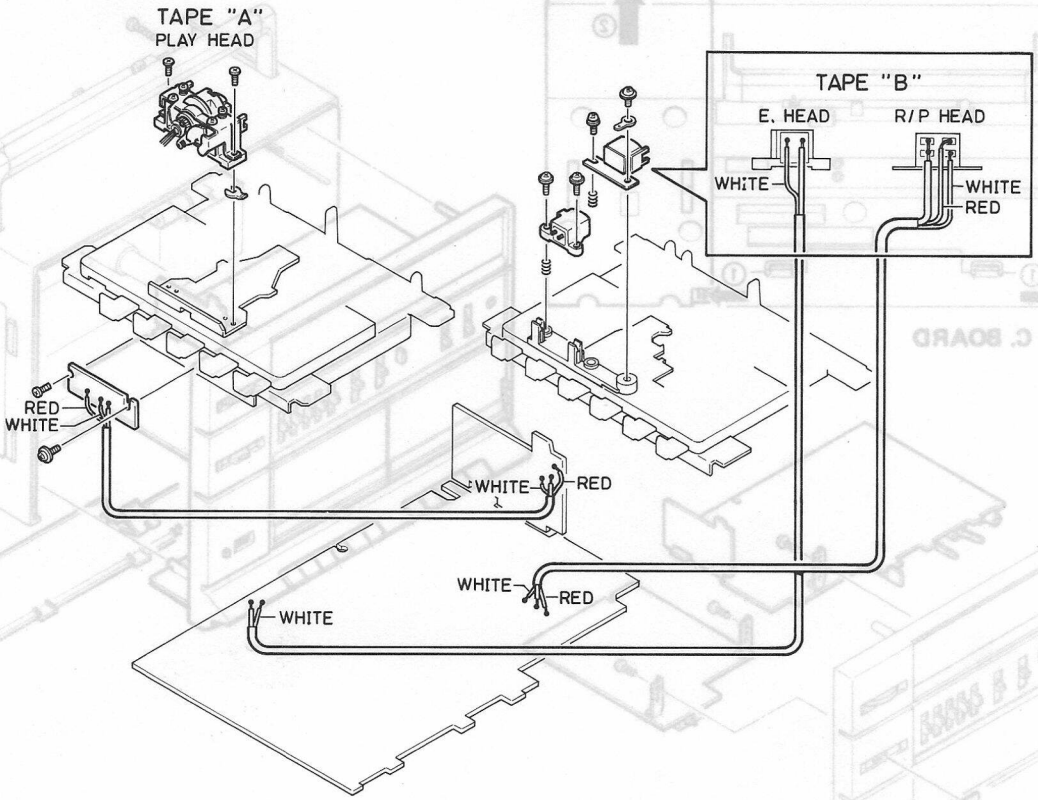
REMOVAL OF MECHANISM

The R/P Switching wire spring, befit as shown figer.



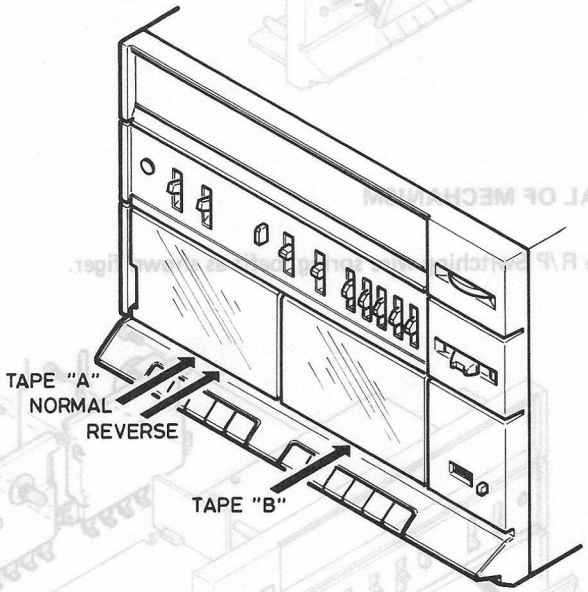
HEAD REPLACEMENT AND AZIMUTH ADJUSTMENT

* After replacing the head, demagnetize the head by using a head eraser.
* Be sure to clean the head assembly before making the adjustment.



1. TAPE A AZIMUTH ADJUSTMENT

(1) Insert the test tape (VTT-703, etc.: 10 kHz) for azimuth adjustment into tape A.
(2) Press tape A's play button. (Normal play back)
(3) Use a cross-tip screwdriver to turn the screw for adjustment of the tape A azimuth so that the left and right outputs are maximized while tape A is playing back.
(4) Press the tape direction lever.
(5) Tape A performs reverse playback.
(6) Use a cross-tip screw driver to turn the screw for adjustment of the tape A azimuth so that the left and right outputs are maximized while tape A is playing back.
(7) Press tape deck A's stop button.
(8) Repeat (1) ~ (7) adjustment.

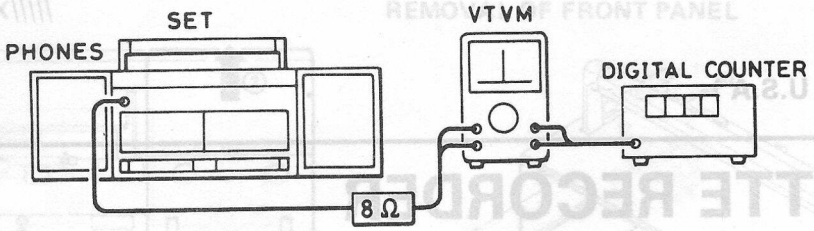


2. TAPE B AZIMUTH ADJUSTMENT

(1) Insert the test tape for azimuth adjustment into tape B.
(2) Press tape B's play button.
(3) Use a cross-tip screwdriver to turn the screw for adjustment of the tape B azimuth so that the left and right outputs are maximized while tape B is performing normal playback.

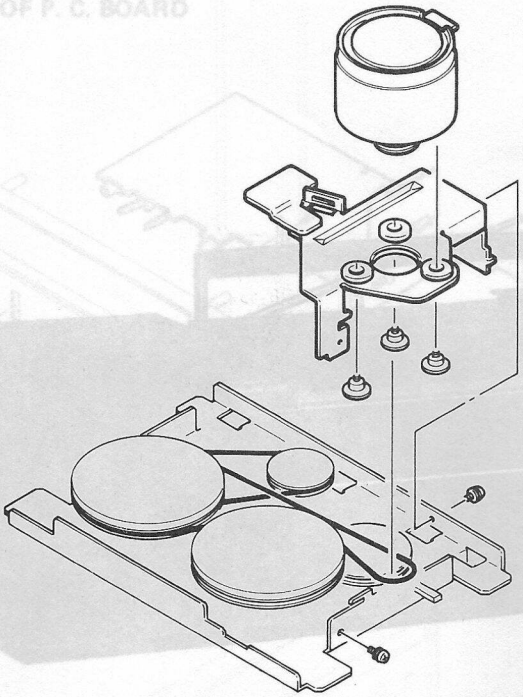
ADJUSTMENT OF MOTOR SPEED

- When making the speed adjustment, after first making the adjustment for tape deck A and tape deck B at the high speed, then make the adjustment for tape deck A and tape deck B at the normal speed.

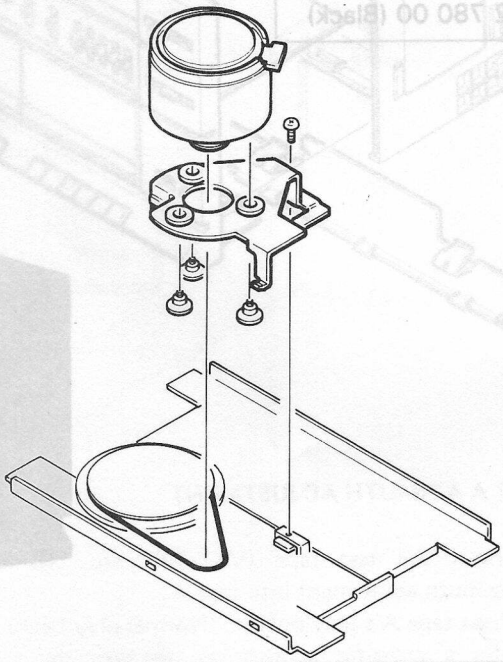


REPLACEMENT OF MOTOR

MECHANISM " A "



MECHANISM " B "



HIGH SPEED

(1) Set the dubbing speed selector certainly to the normal speed setting.
(2) Insert the test tape (TCW-211, etc. 1,500 Hz) into tape deck A.
(3) Connect a DC 15V power supply to the shown figure position the amplifier board.
(4) Press tape deck A's play button.
(5) Adjust SVR601 (on the amplifier board) so that the frequency Counter shows a reading of 3,000Hz.
(6) Insert the test tape (TCW-211 etc. 1,500 Hz) to tape deck B.
(7) Press tape deck B's play button.
(8) Adjust SVR604 (on the amplifier board) so that the frequency counter shows reading of 3,000Hz.

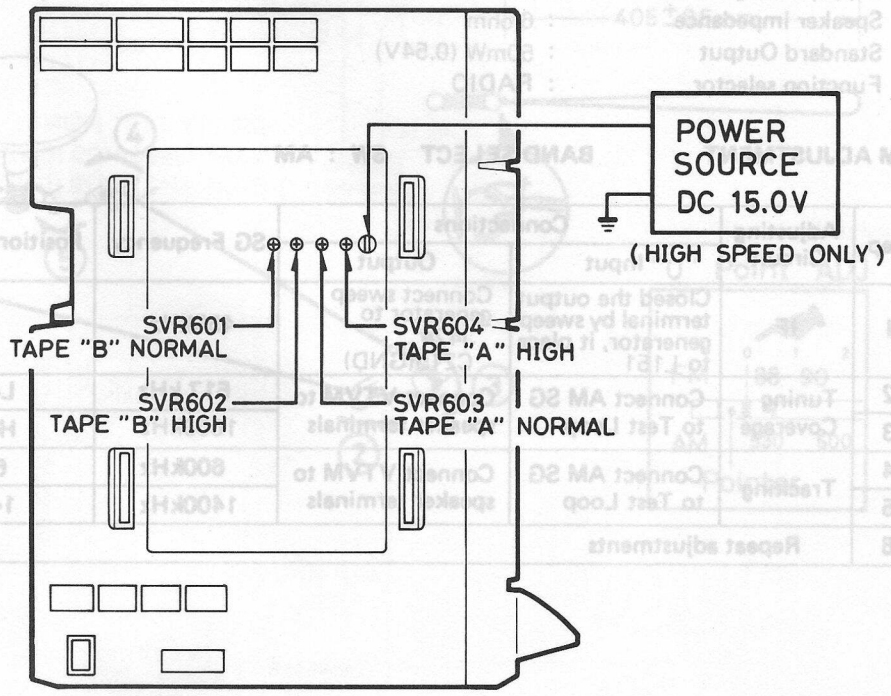
NORMAL SPEED

(1) Cut off the DC 15V power supply.
(2) Insert the test tape (MTT-111 etc, 3,000 Hz) in to tape deck A.
(3) Press tape deck A's play button.
(4) Adjust SVR602 (on the amplifier board so that the frequency counter shows reading of 3,000 Hz.
(5) Insert test tape (MTT-111 etc, 3,000 Hz) in to tape deck B.
(6) Press tape deck B's play buttom.
(7) Adjust SVR603 (on the amplifier board) so that the frequency counter thows veading of 3,000Hz.

ADJUSTMENT

* Set the all graphic equalizer knob as center position. (0)
* Set each volume and switch as shown below.

VOLUME : Center
BALANCE : Center
FUNCTION : TAPE
DUBBING SPEED : NORMAL



ADJUSTMENT OF MECHANISM

* Clean the head, capstan and pinch roller before measurement.
* Check the torque and tension.

TAPE " A "

Measuring item	Take-up torque	Back tension	Tape tension
Cassette for measurement	PLAY : TW-2111 (FWD) PLAY : TW-2121 (REV) F. FWD / REW : TW-2231	PLAY : TW-2111	Drive power cassette TW-2412 (FWD) TW-2422 (REV)
PLAY	30 ~ 60gr · cm	2.5 ~ 6.0gr · cm (FWD) 1.5 ~ 5.0gr · cm (REV)	100gr or more
F. FWD/REW	70 ~ 120gr·cm	———	———

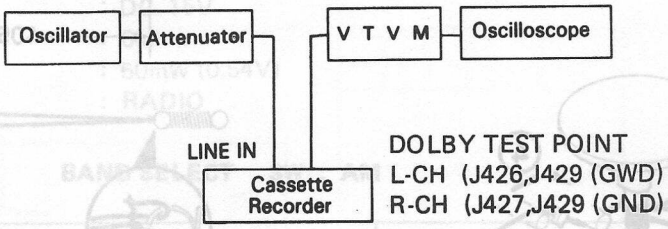
TAPE " B "

Measuring item	Take-up torque	Back tension	Tape tension
Cassette for measurement	PLAY : TW-2111 F. FWD / REW : TW-2231	PLAY : TW-2111	Drive power cassette TW-2413
PLAY	30 ~ 60 gr · cm	1.5 ~ 4 gr · cm	130 gr or more
F. FWD	55 ~ 120 gr · cm	———	———
REW	55 ~ 120 gr · cm	———	———

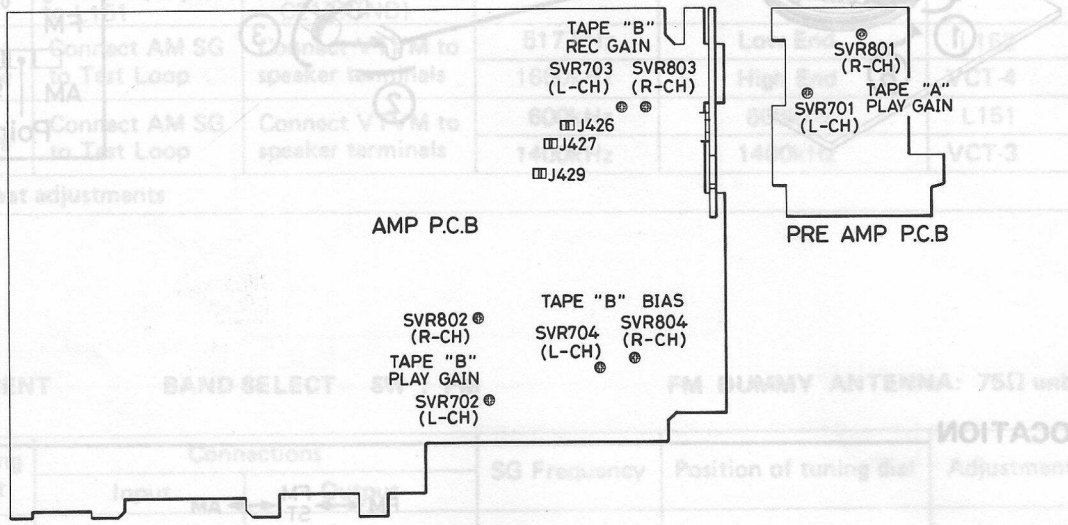
AMPLIFIER ADJUSTMENTS

- Make the following adjustments after first cleaning the head assembly and checking the adjustment of the head azimuth.

a. Connections diagram



b. Componets layout diagram



c. Adjustments

(a) Playback output adjustment

DOLBY NR switch:	OFF
FUNCTION switch:	TAPE
BEAT–CANCEL Switch:	2
Test tape:	VTT-724 (–4dB 1 kHz)

(1) TAPE " A "

Play the test tape and adjust SVR701 (left channel) and SVR801 (right channel) so that playback output becomes 430 mV.

(2) TAPE " B "

Play the test tape and adjust SVR702 (left channel) and SVR802 (right channel) so that playback output becomes 430 mV.

(b) Recording/playback frequency response adjustment

DOLBY NR switch:	OFF
Input signal:	–32dB, 1kHz, 10 kHz
Tape to be used:	NORMAL (AC–223, etc.)

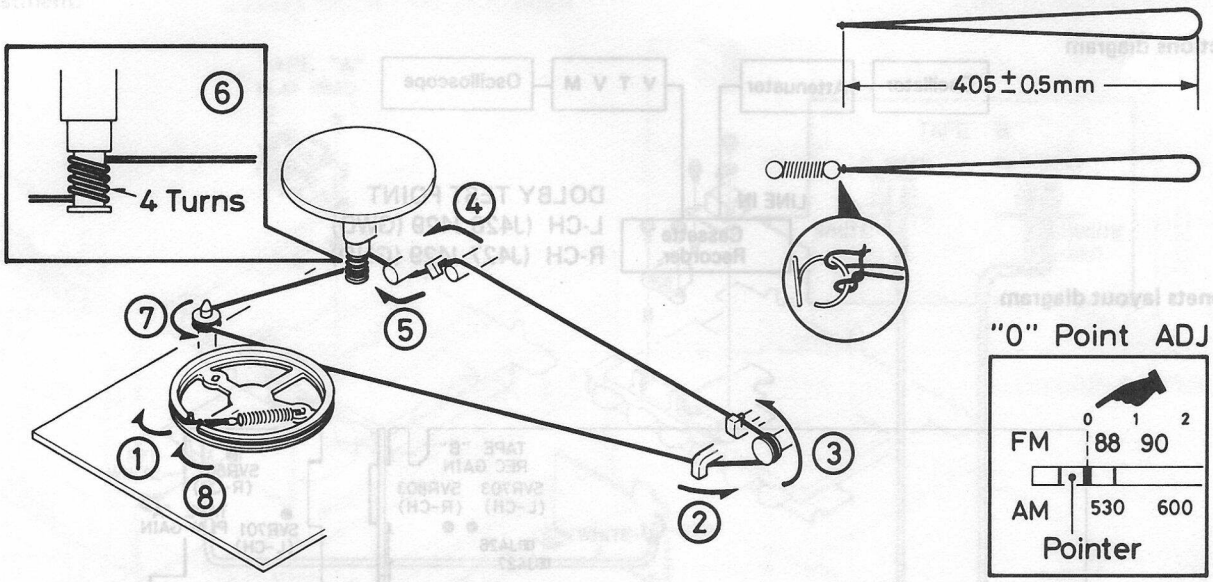
(1) Set the FUNCTION switch to " LINE ".
(2) Introduce input signals to the LINE IN terminals, and, with the unit in the RECORD mode, change to the PAUSE mode.
(3) Record these input signals (1 kHz ⟶ 10 kHz ⟶ 1 kHz ⟶ 10 kHz).
(4) Set the FUNCTION switch to "TAPE".
(5) Press the REWIND button and rewind the tape to the beginning of the recording just made.
(6) Press the PLAY button.
(7) With the 1 kHz playback output value as 0 dB, check to be sure that the value for 10 kHz is within ± 1dB. If it is not, adjust SVR704 (left channel) and SVR804 (right channel).
(8) Repeat steps (1) to (7).

(c) Recording/playback output adjustment

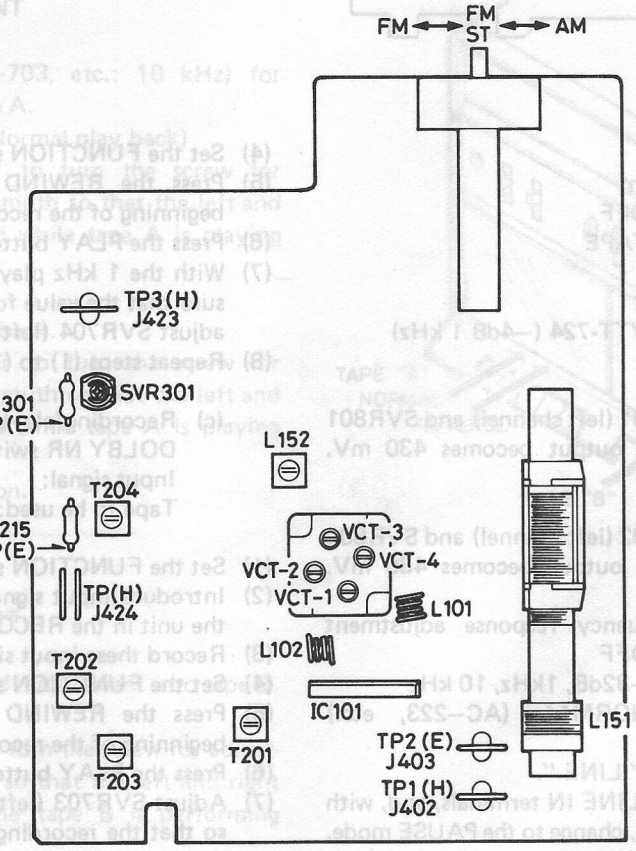
DOLBY NR switch:	OFF
Input signal:	–20dB, 1 kHz
Tape to be used:	NORMAL (AC–223, etc.)

(1) Set the FUNCTION switch to " LINE ".
(2) Introduce input signals to the LINE IN terminals, and, with the unit in the RECORD mode, change to the PAUSE mode.
(3) Record these input signals.
(4) Set the FUNCTION switch to " TAPE ".
(5) Press the REWIND button and rewind the tape to the beginning of the recording just made.
(6) Press the PLAY button.
(7) Adjust SVR703 (left channel) and SVR803 (right channel) so that the recording and playback output level differences become ±1dB.
(8) Repeat steps (1) to (7).

DIAL CORD STRINGING



PARTS LOCATION



ADJUSTMENT OF TUNER

* Use a plastic screwdriver for adjustment.
* Adjust the intermediate frequency of AM and FM to the frequency of ceramic filter.

Supply voltage : DC 15V
Speaker impedance : 6 ohm
Standard Output : 50mW (0.54V)
Function selector : RADIO

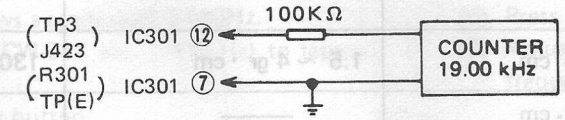
AM ADJUSTMENT BAND SELECT SW : AM

Step	Adjusting Circuit	Connections		SG Frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	IF	Closed the output terminal by sweep generator, it place to L151	Connect sweep generator to J424, C215(GND)	455kHz	Low	T203,204	MAX.
2	Tuning Coverage	Connect AM SG to Test Loop	Connect VTVM to speaker terminals	517 kHz	Low End	L152	MAX.
3				1660kHz	High End	VCT-4	
4	Tracking	Connect AM SG to Test Loop	Connect VTVM to speaker terminals	600kHz	600kHz	L151	MAX.
5				1400kHz	1400kHz	VCT-3	
6	Repeat adjustments						

FM ADJUSTMENT BAND SELECT SW : FM FM DUMMY ANTENNA: 75Ω unbalance

Step	Adjusting Circuit	Connections		SG Frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	IF	Connect sweep generator to IC101 ① TP 2	Connect sweep generator to J424, C215 (GND)	10.7MHz	Low	T201	
2	Detector					T202	
3	Tuning Coverage	Connect FM SG to TP 1, TP 2	Connect VTVM to speaker terminals	87.0MHz	Low End	L102	MAX.
4				109.0MHz	High End	VCT-2	
5	Tracking	Connect FM SG to TP 1, TP 2	Connect VTVM to speaker terminals	90.0MHz	90.0MHz	L101	MAX.
6				106.0MHz	106.0MHz	VCT-1	
7	Repeat adjustments						

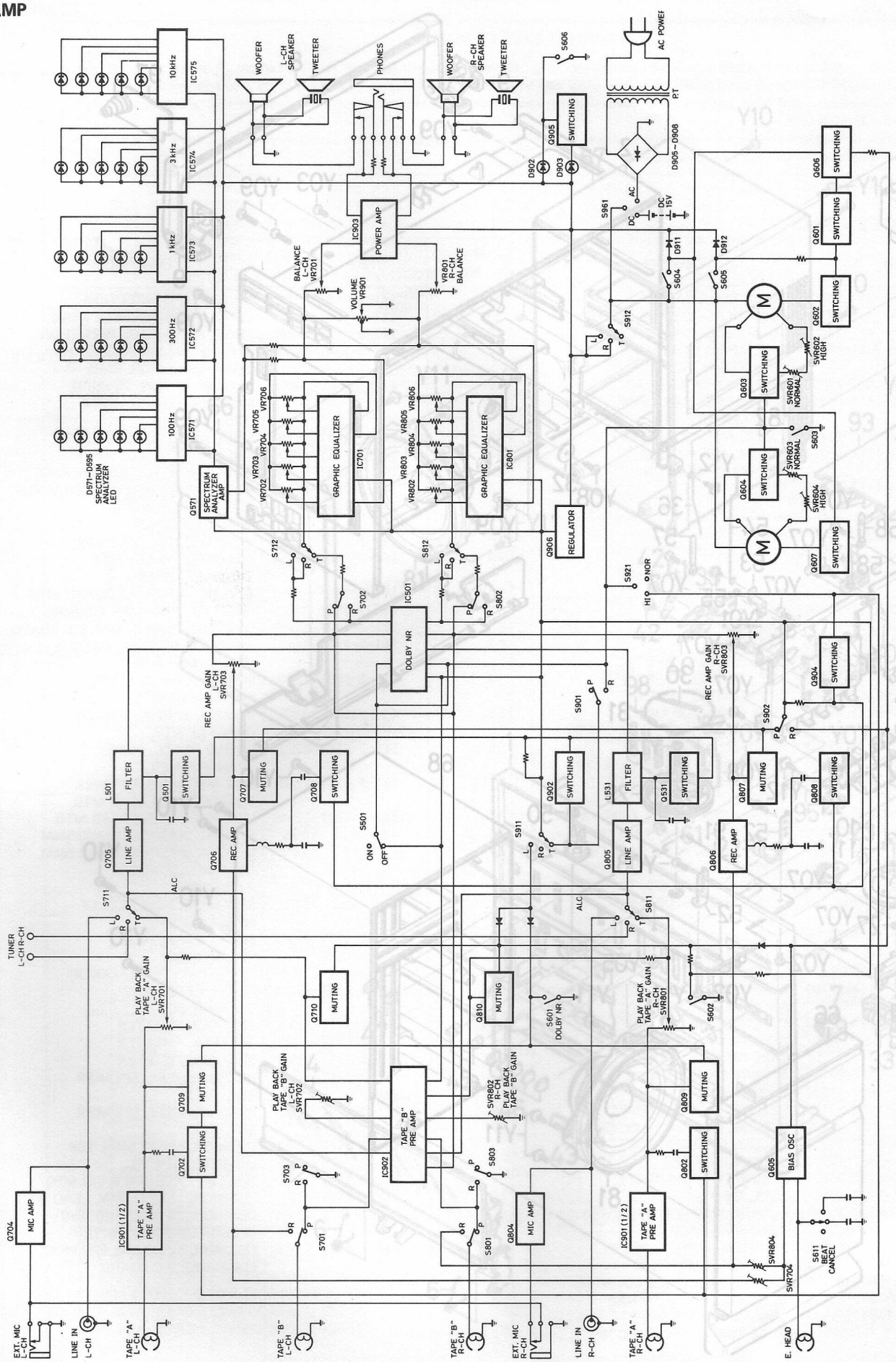
FM VCO ADJUSTMENT BAND SELECT SW : FM STEREO



Turn SVR301 until the frequency counter reads 19.00 kHz ± 100 Hz

BLOCK DIAGRAM

AMP



PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual.
Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

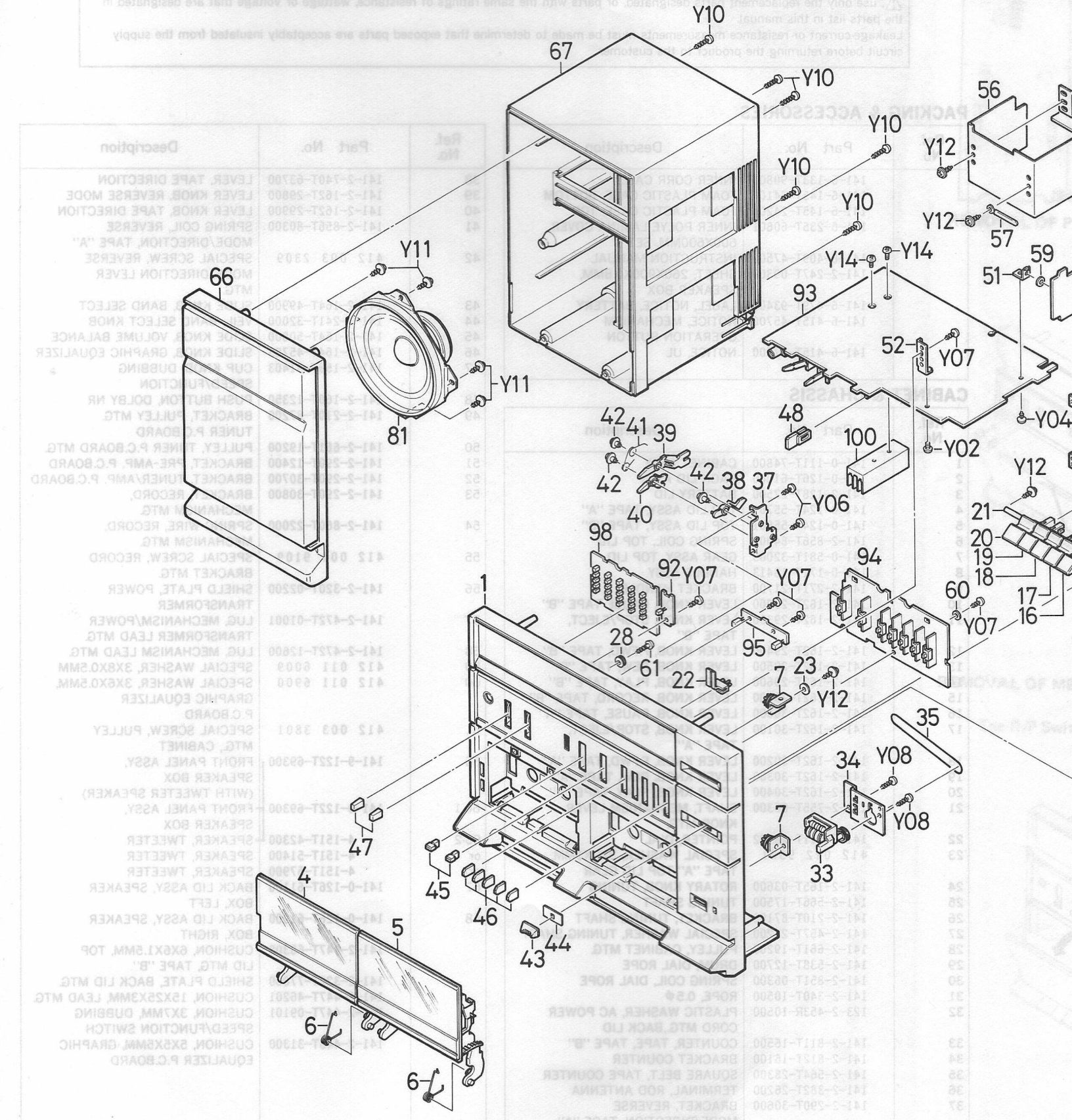
PACKING & ACCESSORIES

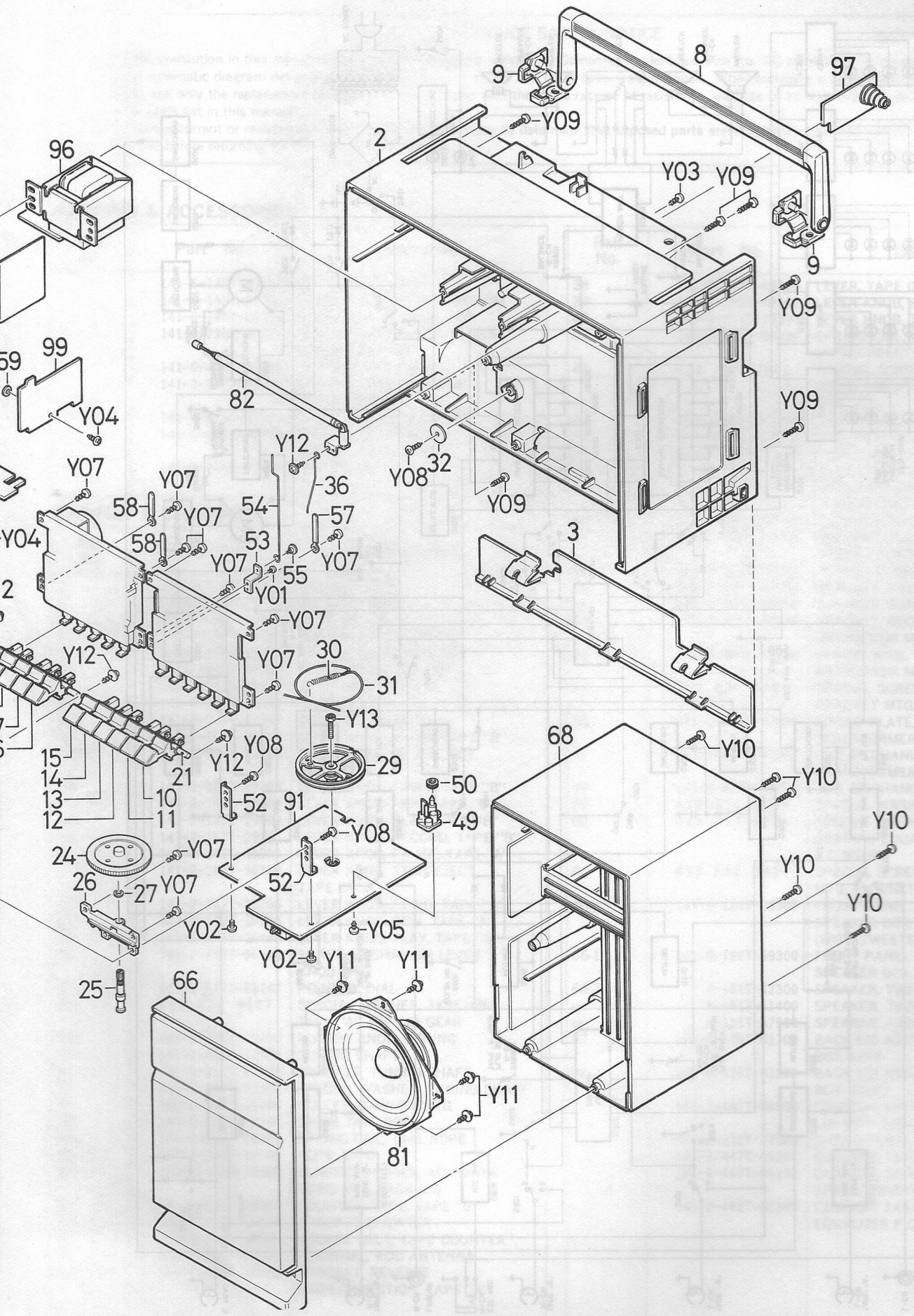
Ref. No.	Part No.	Description
	141-6-133T-90800	INNER CORR CASE
	141-6-145T-24100	FOAM PLASTIC CASE, BOTTOM
	141-6-145T-24200	FOAM PLASTIC CASE, TOP
	141-6-235T-60601	INNER POLYE LAMINA COVER, 600X600MM, SET
	141-6-409T-47500	INSTRUCTION MANUAL
	141-2-247T-09300	SHEET, 260X900X0.8MM, SPEAKER BOX
	141-6-479T-93401	LABEL, NOTICE, BATTERY
	141-6-415T-45700	NOTICE, MECHANISM OPERATION BUTTON
	141-6-415T-27800	NOTICE, UL

CABINET & CHASSIS

Ref. No.	Part No.	Description
1	141-0-111T-74800	CABINET ASSY
2	141-0-126T-61000	BACK LID ASSY
3	141-2-128T-27500	BATTERY LID
4	141-0-124T-55701	TOP LID ASSY, TAPE "A"
5	141-0-124T-55801	TOP LID ASSY, TAPE "B"
6	141-2-856T-84000	SPRING COIL, TOP LID
7	141-0-581T-32005	GEAR ASSY, TOP LID
8	141-0-171T-18413	HANDLE ASSY
9	141-2-271T-21700	BRACKET HANDLE
10	141-2-162T-29200	LEVER KNOB, PAUSE TAPE "B"
11	141-2-162T-29300	LEVER KNOB, STOP/EJECT, TAPE "B"
12	141-2-162T-29400	LEVER KNOB, F.FWD, TAPE "B"
13	141-2-162T-29500	LEVER KNOB, REW, TAPE "B"
14	141-2-162T-29600	LEVER KNOB, PLAY, TAPE "B"
15	141-2-162T-29700	LEVER KNOB, RECORD, TAPE "B"
16	141-2-162T-30000	LEVER KNOB, PAUSE, TAPE "A"
17	141-2-162T-30100	LEVER KNOB, STOP/EJECT, TAPE "A"
18	141-2-162T-30200	LEVER KNOB, F.FWD, TAPE "A"
19	141-2-162T-30300	LEVER KNOB, REW, TAPE "A"
20	141-2-162T-30400	LEVER KNOB, PLAY, TAPE "A"
21	141-2-755T-06300	SHAFT, MECHANISM LEVER KNOB MTG.
22	141-2-511T-28102	POINTER, DIAL
23	412 022 9501	SPECIAL WASHER, 3X9X1MM, TAPE "A" TOP LID GEAR
24	141-2-165T-03600	ROTARY KNOB, TUNING
25	141-2-566T-17500	TUNING SHAFT
26	141-2-210T-87100	BRACKET, TUNING SHAFT
27	141-2-457T-23200	SPECIAL WASHER, TUNING SHAFT
28	141-2-661T-19200	PULLEY, CABINET MTG.
29	141-2-538T-12700	DRUM, DIAL ROPE
30	141-2-851T-06300	SPRING COIL, DIAL ROPE
31	141-2-340T-10500	ROPE, 0.5φ
32	123-2-453R-10500	PLASTIC WASHER, AC POWER CORD MTG.,BACK LID
33	141-2-811T-16500	COUNTER, TAPE, TAPE "B"
34	141-2-812T-16100	BRACKET COUNTER
35	141-2-564T-28300	SQUARE BELT, TAPE COUNTER
36	141-2-382T-26200	TERMINAL, ROD ANTENNA
37	141-2-290T-30600	BRACKET, REVERSE MODE/DIRECTION, TAPE "A"
38	141-2-740T-63700	LEVER, TAPE DIRECTION
39	141-2-162T-29800	LEVER KNOB, REVERSE MODE
40	141-2-162T-29900	LEVER KNOB, TAPE DIRECTION
41	141-2-856T-80300	SPRING COIL, REVERSE MODE/DIRECTION, TAPE "A"
42	412 003 2309	SPECIAL SCREW, REVERSE MODE/DIRECTION LEVER MTG.
43	141-2-164T-49900	SLIDE KNOB, BAND SELECT
44	141-2-241T-32000	VEIL, BAND SELECT KNOB
45	141-2-164T-50000	SLIDE KNOB, VOLUME BALANCE
46	141-2-164T-45703	SLIDE KNOB, GRAPHIC EQUALIZER
47	141-2-156T-31403	CUP KNOB, DUBBING SPEED/FUNCTION
48	141-2-160T-12350	PUSH BUTTON, DOLBY NR
49	141-2-210T-87200	BRACKET, PULLEY MTG. TUNER P.C.BOARD
50	141-2-661T-19200	PULLEY, TUNER P.C.BOARD MTG.
51	141-2-290T-12400	BRACKET, PRE-AMP. P.C.BOARD
52	141-2-290T-30700	BRACKET, TUNER/AMP. P.C.BOARD
53	141-2-290T-30800	BRACKET, RECORD, MECHANISM MTG.
54	141-2-860T-22000	SPRING WIRE, RECORD, MECHANISM MTG.
55	412 004 9109	SPECIAL SCREW, RECORD BRACKET MTG.
56	141-2-320T-02200	SHIELD PLATE, POWER TRANSFORMER
57	141-2-472T-01001	LUG, MECHANISM/POWER TRANSFORMER LEAD MTG.
58	141-2-472T-12600	LUG, MECHANISM LEAD MTG.
59	412 011 6009	SPECIAL WASHER, 3X8X0.5MM
60	412 011 6900	SPECIAL WASHER, 3X6X0.5MM, GRAPHIC EQUALIZER P.C.BOARD
61	412 003 3801	SPECIAL SCREW, PULLEY MTG., CABINET
66	141-9-122T-69300	FRONT PANEL ASSY, SPEAKER BOX (WITH TWEETER SPEAKER)
66-1	141-0-122T-69300	FRONT PANEL ASSY, SPEAKER BOX
66-2	4-151T-42300	SPEAKER, TWEETER
or	4-151T-51400	SPEAKER, TWEETER
or	4-151T-57900	SPEAKER, TWEETER
67	141-0-126T-61100	BACK LID ASSY, SPEAKER BOX, LEFT
68	141-0-126T-61200	BACK LID ASSY, SPEAKER BOX, RIGHT
	141-2-447T-68308	CUSHION, 6X6X1.5MM, TOP LID MTG, TAPE "B"
	141-2-322T-77000	SHIELD PLATE, BACK LID MTG.
	141-2-447T-46201	CUSHION, 15X25X3MM, LEAD MTG.
	141-2-447T-09101	CUSHION, 3X7MM, DUBBING SPEED/FUNCTION SWITCH
	141-2-448T-31300	CUSHION, 5X5X5MM, GRAPHIC EQUALIZER P.C.BOARD

EXPLODED VIEW (CABINET & CHASSIS)




9
8
97
Y09
2
96
Y03
Y09
9
Y09
99
59
Y04
82
Y09
Y12
Y08
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36
Y09
Y07
Y07
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54
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Y07
Y04
58
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Y07
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Y07
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Y07
Y12
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91
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Y10
Y10
Y10
Y10
24
Y07
Y08
26
27
Y07
52
Y02
Y05
Y02
Y11
Y11
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66
Y11
81

FIXING PARTS

Ref. No.	Part No.	Description
Y01	411 039 0105	SCR PAN 2X3MM
Y02	411 002 8503	SCR PAN 3X6MM
Y03	411 023 4201	SCR S-TPG PAN 3X10MM
Y04	411 021 5705	SCR S-TPG BIN 3X6MM
Y05	411 021 6405	SCR S-TPG BIN 3X8MM
Y06	411 021 3503	SCR S-TPG BIN 3X10MM, SPEAKER CORD MTG.
Y07	411 021 4005	SCR S-TPG BIN 3X12MM
Y08	411 021 4302	SCR S-TPG BIN 3X14MM
Y09	411 021 4500	SCR S-TPG BIN 3X16MM
Y10	411 021 4609	SCR S-TPG BIN 3X16MM
Y11	411 020 8905	SCR S-TPG BRZ + FLG 3X10MM
Y12	411 020 9100	SCR S-TPG BRZ + FLG 3X12MM
Y13	411 098 7305	BOLT HEX C-SCT 2.6X20MM

ELECTRICAL PARTS

Ref. No.	Part No.	Description
81	4-151T-64400	SPEAKER, WOOFER
or	4-151T-64700	SPEAKER, WOOFER
82	4-244T-09200	TELESCOPIC ROD ANTENNA
or	4-244T-09271	TELESCOPIC ROD ANTENNA
	⚠ 4-243T-85172	POWER CORD, AC
	4-243T-39471	LEAD CORD, SPEAKER BOX
	4-151T-42300	SPEAKER, TWEETER
or	4-151T-51400	SPEAKER, TWEETER
or	4-151T-57900	SPEAKER, TWEETER
	4-240T-25300	SOCKET, 1P, SHIELD PLATE MTG.
C933	403 072 2703	CERAMIC 0.022U Z 50V

TUNER P.C.BOARD ASSY

Ref. No.	Part No.	Description
91	141-4-290T-46272	P.C BOARD ASSY, TUNER
VC/VCT	4-224T-30200	TUNING CAPACITOR
T201	4-256T-36440	I.F.T, FM
T202	4-256T-27740	I.F.T, FM
T203	4-256T-22940	I.F.T, AM
T204	4-256T-23940	I.F.T, AM
L101	4-265T-02700	VHF COIL, FM
or	4-265T-02710	VHF COIL, FM
or	4-265T-02720	VHF COIL, FM
L102	4-265R-10500	VHF COIL, FM
or	4-265R-10510	VHF COIL, FM
or	4-265R-10520	VHF COIL, FM
or	4-265R-10522	VHF COIL, FM
L151	4-257T-77601	ANT COIL ASSY, AM
L152	4-258T-39040	OSC COIL, AM
L301	4-255T-07340	MX COIL
L302	4-255T-07340	MX COIL
CF201	4-256T-80400	I.F.FILTER, RED, FM
or	4-256T-80471	I.F.FILTER, BLUE, FM
or	4-256T-80472	I.F.FILTER, ORANGE, FM
or	4-256T-80473	I.F.FILTER, BLACK, FM
or	4-256T-80474	I.F.FILTER, WHITE, FM
CF202	4-256T-81100	I.F FILTER, AM
BPF	4-253T-18900	FILTER, FM
S1	4-248T-10300	SWITCH, BAND SELECT
SVR301	4-220T-33077	SEMI-FIXED RESISTOR
or	4-220T-35677	SEMI-FIXED RESISTOR
CN	4-240T-94974	SOCKET, 4P
IC101	409 049 2103	IC TA7358P
IC201	409 117 8105	IC TA7640AP1
IC301	409 016 9500	IC LA3361
Q201	405 018 7902	TR 2SC380TM-O
or	405 020 1202	TR 2SC930-D-SPA
or	T2SC1675(L)-C	TR 2SC1675-T(L)
D104	407 000 2605	VARACTOR DI SD115
or	407 000 8003	VARACTOR DI 1S553T

Ref. No.	Part No.	Description
C101	403 002 2902	CERAMIC 0.01U M 25V
C102	403 002 2902	CERAMIC 0.01U M 25V
C103	403 017 0603	CERAMIC 20P J 50V
C104	403 025 7601	CERAMIC 4.7P K 50V
C105	403 001 5805	CERAMIC 0.022U N 16V
C106	403 012 6402	CERAMIC 15P J 50V
C107	403 018 0206	CERAMIC 22P J 50V
C108	403 007 8602	CERAMIC 1.5P M 50V
C109	403 005 3708	CERAMIC 0.033U N 12V
C110	403 001 5805	CERAMIC 0.022U N 16V
C127	403 069 1504	CERAMIC 1000P K 50V
C129	403 001 5805	CERAMIC 0.022U N 16V
C130	403 025 7601	CERAMIC 4.7P K 50V
C151	403 029 6808	CERAMIC 6P D 50V
C201	403 001 5805	CERAMIC 0.022U N 16V
C202	403 001 5805	CERAMIC 0.022U N 16V
C203	403 072 8408	CERAMIC 330P K 50V
C204	403 001 5805	CERAMIC 0.022U N 16V
C205	403 041 8804	ELECT 10U M 16V
C206	403 040 1707	ELECT 22U M 10V
C207	403 005 3708	CERAMIC 0.033U N 12V
C208	403 004 6502	CERAMIC 0.082U M 25V
C209	403 043 0202	ELECT 220U M 16V
C210	403 107 7604	CERAMIC 0.018U N 16V
C211	403 069 1504	CERAMIC 1000P K 50V
C212	403 002 2902	CERAMIC 0.01U M 25V
C213	403 009 5609	CERAMIC 100P J 50V
C214	403 001 5805	CERAMIC 0.022U N 16V
C215	403 001 5805	CERAMIC 0.022U N 16V
C301	403 049 9803	ELECT 2.2U M 50V
C302	403 005 3708	CERAMIC 0.033U N 12V
C303	403 080 5000	POLYPRO 1000P J 100V
C305	403 048 6308	ELECT 0.47U M 50V
C306	403 049 9803	ELECT 2.2U M 50V
C307	403 049 9803	ELECT 2.2U M 50V
C308	403 105 8603	CERAMIC 2700P M 25V
C309	403 105 8603	CERAMIC 2700P M 25V
C310	403 049 9803	ELECT 2.2U M 50V
C311	403 049 9803	ELECT 2.2U M 50V
C312	403 005 3708	CERAMIC 0.033U N 12V
C313	403 005 3708	CERAMIC 0.033U N 12V
R101	401 016 1508	CARBON 22 JA 1/4W
R102	401 012 4503	CARBON 100 JA 1/4W
R103	401 012 8105	CARBON 100K JA 1/4W
R104	401 023 4608	CARBON 820K JA 1/4W
R106	401 018 1605	CARBON 33 JA 1/4W
R201	401 013 4205	CARBON 120 JA 1/4W
R202	401 021 0701	CARBON 56 JA 1/4W
R203	401 017 3808	CARBON 270K JA 1/4W
R204	401 020 2003	CARBON 4.7K JA 1/4W
R205	401 012 4503	CARBON 100 JA 1/4W
R206	401 014 4105	CARBON 1.5K JA 1/4W
R207	401 018 2800	CARBON 330 JA 1/4W
R301	401 022 3107	CARBON 6.8K JA 1/4W
R302	401 020 0801	CARBON 470 JA 1/4W
R303	401 012 5708	CARBON 1K JA 1/4W
R304	401 013 5301	CARBON 1.2K JA 1/4W
R305	401 018 3807	CARBON 3.3K JA 1/4W
R306	401 018 3807	CARBON 3.3K JA 1/4W
R307	401 019 1901	CARBON 3.9K JA 1/4W
R308	401 019 1901	CARBON 3.9K JA 1/4W
R309	401 019 3004	CARBON 39K JA 1/4W
R310	401 019 3004	CARBON 39K JA 1/4W
R312	401 012 8105	CARBON 100K JA 1/4W

FM STEREO LED P.C.BOARD ASSY

Ref. No.	Part No.	Description
92	141-4-290T-56100	P.C BOARD ASSY, FM STEREO
D301	407 037 0407	LED SLP-153B-40-A
or	407 037 0506	LED SLP-153B-40-B

AMP. P.C.BOARD ASSY

Ref. No.	Part No.	Description
93	141-4-290T-47200	P.C BOARD ASSY, AMP
100	141-2-368T-33400	HEAT SINK, POWER IC
	4-267T-12575	SOCKET, PHONES
	4-240T-52200	SOCKET, LINE IN
	4-240T-53700	SOCKET, MIC, LEFT
	4-240T-70200	SOCKET, MIC, RIGHT
	4-237T-13300	TERMINAL BOARD, EXT. SPEAKER
	4-237T-00100	TERMINAL BOARD
or	141-2-382T-16700	TERMINAL
Y14	411 002 6509	SCR PAN 3X12MM, HEAT SINK MTG.
L501	4-255T-06546	MX COIL, 85KHZ
L531	4-255T-06546	MX COIL, 85KHZ
L601	4-258T-61340	O.S.C COIL
L602	4-252T-12900	CHOKE COIL
L701	4-252T-12920	CHOKE COIL
L702	4-252T-12926	CHOKE COIL
L801	4-252T-12920	CHOKE COIL
L802	4-252T-12926	CHOKE COIL
S501	4-248T-18000	SWITCH, DOLBY NR
S611	4-238T-95400	SWITCH, BEAT CANCEL
S701	4-248T-39100	SWITCH, RECORD/PLAY (S701~703/801~803/901~903)
S711	4-248T-38600	SWITCH, FUNCTION (S711,712,811,812,911,912)
S921	4-248T-38900	SWITCH, DUBBING SPEED
SVR601	4-220T-42978	SEMI-FIXED RESISTOR
SVR602	4-220T-42977	SEMI-FIXED RESISTOR
SVR603	4-220T-42978	SEMI-FIXED RESISTOR
SVR604	4-220T-42977	SEMI-FIXED RESISTOR
SVR702	4-220T-33071	SEMI-FIXED RESISTOR
SVR703	4-220T-33077	SEMI-FIXED RESISTOR
SVR704	4-220T-33082	SEMI-FIXED RESISTOR
SVR802	4-220T-33071	SEMI-FIXED RESISTOR
SVR803	4-220T-33077	SEMI-FIXED RESISTOR
SVR804	4-220T-33082	SEMI-FIXED RESISTOR
CN	4-240T-83572	SOCKET, 2P (4 USED)
CN1	4-240T-83578	SOCKET, 8P
CN2	4-240T-94974	SOCKET, 4P, MOTOR, TAPE "A"
CN3	4-240T-94974	SOCKET, 4P, MOTOR, TAPE "B"
CN4	4-240T-83575	SOCKET, 5P
CN5	4-240T-83573	SOCKET, 3P
CN6	4-240T-83572	SOCKET, 2P
CN7	4-240T-83573	SOCKET, 3P
IC501	409 023 1405	IC LM1131CN
IC902	409 016 8701	IC LA3220
IC903	409 081 0907	IC LA4108
Q501	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q531	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q601	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q602	405 023 5306	TR 2SD400-F-MP
Q603	405 001 7209	TR 2SA1015-Y
or	405 004 4502	TR 2SA608-F-NP
or	405 005 2101	TR 2SA733-Q
Q604	405 001 7209	TR 2SA1015-Y
or	405 004 4502	TR 2SA608-F-NP
or	405 005 2101	TR 2SA733-Q
Q605	405 019 4108	TR 2SC536-G-AUD-NP
Q606	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q607	405 023 5306	TR 2SD400-F-MP
Q704	405 019 4108	TR 2SC536-G-AUD-NP
Q705	405 019 4108	TR 2SC536-G-AUD-NP
Q706	405 019 3705	TR 2SC536-G-AUD-SPA
Q707	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP

Ref. No.	Part No.	Description
Q707	T2SC945A-P--C	TR 2SC945A-T-P
Q708	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q710	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q804	405 019 3705	TR 2SC536-G-AUD-SPA
Q805	405 019 4108	TR 2SC536-G-AUD-NP
Q806	405 019 4108	TR 2SC536-G-AUD-NP
Q807	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q808	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q810	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q902	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q904	405 019 3705	TR 2SC536-G-AUD-SPA
Q905	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q906	405 011 1709	TR 2SC1626-Y
or	405 023 2305	TR 2SD325-E
D501	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D531	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D561	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D562	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D603	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D604	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D605	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D701	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D702	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D801	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D802	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D901	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D904	407 053 8708	ZENER DIODE MTZ9.1A
D911	407 093 1400	DIODE GP15D
D912	407 093 1400	DIODE GP15D
D922	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D923	407 005 4505	DIODE DS442X
D924	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D925	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D926	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
C501	403 002 1103	CERAMIC 1000P M 25V
C502	403 041 8804	ELECT 10U M 16V
C503	403 047 8402	ELECT 0.1U M 50V
C504	403 048 4205	ELECT 0.33U M 50V
C505	403 004 1002	CERAMIC 0.047U M 25V
C506	403 049 0008	ELECT 1U M 50V
C508	403 041 8804	ELECT 10U M 16V
C509	403 003 9801	CERAMIC 4700P M 25V
C510	403 049 9803	ELECT 2.2U M 50V
C511	403 003 7104	CERAMIC 0.033U M 25V

PARTS LIST

Ref. No.	Part No.	Description
C512	403 049 0008	ELECT 1U M 50V
C513	403 038 8602	ELECT 33U M 6.3V
C531	403 002 1103	CERAMIC 1000P M 25V
C532	403 041 8804	ELECT 10U M 16V
C533	403 047 8402	ELECT 0.1U M 50V
C534	403 048 4205	ELECT 0.33U M 50V
C535	403 004 1002	CERAMIC 0.047U M 25V
C536	403 049 0008	ELECT 1U M 50V
C538	403 041 8804	ELECT 10U M 16V
C539	403 003 9801	CERAMIC 4700P M 25V
C540	403 049 9803	ELECT 2.2U M 50V
C541	403 003 7104	CERAMIC 0.033U M 25V
C542	403 049 0008	ELECT 1U M 50V
C543	403 038 8602	ELECT 33U M 6.3V
C562	403 039 6508	ELECT 100U M 10V
C602	403 045 7803	ELECT 220U M 25V
C603	403 045 7803	ELECT 220U M 25V
C604	403 002 2506	CERAMIC 0.01U M 25V
C605	403 002 2506	CERAMIC 0.01U M 25V
C606	403 002 0502	CERAMIC 1000P K 25V
C607	403 002 9901	CERAMIC 1800P K 25V
C608	403 058 9108	POLYESTER 0.018U J 50V
C609	403 041 8804	ELECT 10U M 16V
C610	403 041 8804	ELECT 10U M 16V
C709	403 046 9905	ELECT 4.7U M 25V
C710	403 071 2001	CERAMIC 180P K 50V
C711	403 048 6308	ELECT 0.47U M 50V
C712	403 069 0705	CERAMIC 1000P K 50V
C713	403 046 9905	ELECT 4.7U M 25V
C714	403 068 9402	CERAMIC 100P K 50V
C715	403 042 7707	ELECT 22U M 16V
C716	403 009 1809	CERAMIC 10P J 50V
C717	403 049 0008	ELECT 1U M 50V
C718	403 003 3304	CERAMIC 0.022U M 25V
C719	403 049 0008	ELECT 1U M 50V
C720	403 048 6308	ELECT 0.47U M 50V
C721	403 047 8402	ELECT 0.1U M 50V
C723	403 049 0008	ELECT 1U M 50V
C724	403 074 6303	CERAMIC 560P K 50V
C725	403 107 7703	CERAMIC 8200P J 16V
C726	403 107 7208	CERAMIC 0.012U M 16V
C727	403 049 0008	ELECT 1U M 50V
C729	403 071 2001	CERAMIC 180P K 50V
C730	403 071 6207	CERAMIC 220P K 50V
C749	403 069 1504	CERAMIC 1000P K 50V
C750	403 049 0008	ELECT 1U M 50V
C751	403 069 0705	CERAMIC 1000P K 50V
C752	403 039 6508	ELECT 100U M 10V
C753	403 002 3107	CERAMIC 0.01U N 25V
C754	403 068 9402	CERAMIC 100P K 50V
C755	403 042 2405	ELECT 100U M 16V
C756	403 059 9008	POLYESTER 0.22U M 50V
C757	403 041 4509	ELECT 470U M 10V
C809	403 046 9905	ELECT 4.7U M 25V
C810	403 071 2001	CERAMIC 180P K 50V
C811	403 048 6308	ELECT 0.47U M 50V
C812	403 069 0705	CERAMIC 1000P K 50V
C813	403 046 9905	ELECT 4.7U M 25V
C814	403 068 9402	CERAMIC 100P K 50V
C815	403 042 7707	ELECT 22U M 16V
C816	403 009 1809	CERAMIC 10P J 50V
C817	403 049 0008	ELECT 1U M 50V
C818	403 003 3304	CERAMIC 0.022U M 25V
C819	403 049 0008	ELECT 1U M 50V
C820	403 048 6308	ELECT 0.47U M 50V
C821	403 047 8402	ELECT 0.1U M 50V
C823	403 049 0008	ELECT 1U M 50V
C824	403 074 6303	CERAMIC 560P K 50V
C825	403 107 7703	CERAMIC 8200P J 16V
C826	403 107 7208	CERAMIC 0.012U M 16V
C827	403 049 0008	ELECT 1U M 50V
C829	403 071 2001	CERAMIC 180P K 50V
C830	403 071 6207	CERAMIC 220P K 50V

Ref. No.	Part No.	Description
C849	403 069 1207	CERAMIC 1000P K 50V
C850	403 049 0008	ELECT 1U M 50V
C851	403 069 1207	CERAMIC 1000P K 50V
C852	403 039 6508	ELECT 100U M 10V
C853	403 002 3107	CERAMIC 0.01U N 25V
C854	403 068 9402	CERAMIC 100P K 50V
C855	403 042 2405	ELECT 100U M 16V
C856	403 059 9008	POLYESTER 0.22U M 50V
C857	403 041 4509	ELECT 470U M 10V
C903	403 039 6508	ELECT 100U M 10V
C904	403 038 6301	ELECT 220U M 6.3V
C905	403 038 3607	ELECT 1000U M 6.3V
C906	403 040 3701	ELECT 220U M 10V
C907	403 046 9905	ELECT 4.7U M 25V
C909	403 041 2109	ELECT 47U M 10V
C910	403 041 8804	ELECT 10U M 16V
C911	403 041 8804	ELECT 10U M 16V
C914	403 039 6508	ELECT 100U M 10V
C915	403 045 7803	ELECT 220U M 25V
C916	403 003 3304	CERAMIC 0.022U M 25V
C917	403 039 9202	ELECT 1000U M 10V
C918	403 045 9906	ELECT 2200U M 25V
C925	403 043 9106	ELECT 47U M 16V
C927	403 046 9905	ELECT 4.7U M 25V
C929	403 041 8804	ELECT 10U M 16V
C932	403 038 8602	ELECT 33U M 6.3V
R501	401 025 1902	CARBON 15K JA 1/6W
R502	401 025 1605	CARBON 1.5K JA 1/6W
R503	401 027 5908	CARBON 68K JA 1/6W
R504	401 025 7805	CARBON 2.2K JA 1/6W
R506	401 026 1604	CARBON 270K JA 1/6W
R507	401 027 0309	CARBON 47K JA 1/6W
R508	401 026 4308	CARBON 3.3K JA 1/6W
R509	401 027 2600	CARBON 5.6K JA 1/6W
R510	401 026 9600	CARBON 470 JA 1/6W
R511	401 026 9600	CARBON 470 JA 1/6W
R512	401 027 9005	CARBON 82K JA 1/6W
R513	401 025 1605	CARBON 1.5K JA 1/6W
R531	401 025 1902	CARBON 15K JA 1/6W
R532	401 025 1605	CARBON 1.5K JA 1/6W
R533	401 027 5908	CARBON 68K JA 1/6W
R534	401 025 7805	CARBON 2.2K JA 1/6W
R536	401 026 1604	CARBON 270K JA 1/6W
R537	401 027 0309	CARBON 47K JA 1/6W
R538	401 026 4308	CARBON 3.3K JA 1/6W
R539	401 027 2600	CARBON 5.6K JA 1/6W
R540	401 026 9600	CARBON 470 JA 1/6W
R541	401 026 9600	CARBON 470 JA 1/6W
R542	401 027 9005	CARBON 82K JA 1/6W
R543	401 025 1605	CARBON 1.5K JA 1/6W
R561	401 024 7400	CARBON 10K JA 1/6W
R562	401 025 3609	CARBON 18 JA 1/6W
R601	401 025 1902	CARBON 15K JA 1/6W
R602	401 025 7805	CARBON 2.2K JA 1/6W
R603	401 025 7805	CARBON 2.2K JA 1/6W
R604	401 024 9701	CARBON 12K JA 1/6W
R605	401 026 1307	CARBON 27K JA 1/6W
R606	401 025 4903	CARBON 180K JA 1/6W
R607	401 025 4903	CARBON 180K JA 1/6W
R608	401 025 7805	CARBON 2.2K JA 1/6W
R609	401 025 4606	CARBON 18K JA 1/6W
R610	401 025 7805	CARBON 2.2K JA 1/6W
R611	401 012 4503	CARBON 100 JA 1/4W
R612	401 027 5502	CARBON 6.8K JA 1/6W
R613	401 027 3706	CARBON 6.8 JA 1/6W
R614	401 027 5908	CARBON 68K JA 1/6W
R616	401 027 0309	CARBON 47K JA 1/6W
R617	401 027 2303	CARBON 560 JA 1/6W
R618	401 025 7805	CARBON 2.2K JA 1/6W
R619	401 026 9303	CARBON 47 JA 1/6W
R620	401 025 7805	CARBON 2.2K JA 1/6W
R621	401 027 0309	CARBON 47K JA 1/6W
R622	401 027 3003	CARBON 56K JA 1/6W
R626	401 025 9007	CARBON 2.2M JA 1/6W

Ref. No.	Part No.	Description
R712	401 027 0309	CARBON 47K JA 1/6W
R713	401 024 7707	CARBON 100K JA 1/6W
R714	401 025 2305	CARBON 150K JA 1/6W
R715	401 025 4200	CARBON 1.8K JA 1/6W
R716	401 024 6403	CARBON 10 JA 1/6W
R717	401 024 7707	CARBON 100K JA 1/6W
R718	401 027 8602	CARBON 8.2K JA 1/6W
R719	401 027 9005	CARBON 82K JA 1/6W
R720	401 026 6609	CARBON 390 JA 1/6W
R721	401 027 5502	CARBON 6.8K JA 1/6W
R723	401 025 8208	CARBON 22K JA 1/6W
R724	401 026 4308	CARBON 3.3K JA 1/6W
R725	401 026 4308	CARBON 3.3K JA 1/6W
R726	401 024 8001	CARBON 1M JA 1/6W
R727	401 026 4308	CARBON 3.3K JA 1/6W
R728	401 025 1308	CARBON 150 JA 1/6W
R729	401 024 7004	CARBON 1K JA 1/6W
R730	401 021 3009	CARBON 5.6K JA 1/4W
R731	401 025 1902	CARBON 15K JA 1/6W
R732	401 027 0309	CARBON 47K JA 1/6W
R733	401 026 1604	CARBON 270K JA 1/6W
R734	401 024 7400	CARBON 10K JA 1/6W
R735	401 024 9305	CARBON 1.2K JA 1/6W
R736	401 026 6401	CARBON 39 JA 1/6W
R737	401 025 7805	CARBON 2.2K JA 1/6W
R738	401 025 8208	CARBON 22K JA 1/6W
R746	401 016 2604	CARBON 220 JA 1/4W
R747	401 025 5405	CARBON 2.2 JA 1/6W
R748	401 014 2903	CARBON 150 JA 1/4W
R750	401 027 5502	CARBON 6.8K JA 1/6W
R751	401 024 7400	CARBON 10K JA 1/6W
R761	401 024 7004	CARBON 1K JA 1/6W
R812	401 027 0309	CARBON 47K JA 1/6W
R813	401 024 7707	CARBON 100K JA 1/6W
R814	401 025 2305	CARBON 150K JA 1/6W
R815	401 025 4200	CARBON 1.8K JA 1/6W
R816	401 024 6403	CARBON 10 JA 1/6W
R817	401 024 7707	CARBON 100K JA 1/6W
R818	401 027 8602	CARBON 8.2K JA 1/6W
R819	401 027 9005	CARBON 82K JA 1/6W
R820	401 026 6609	CARBON 390 JA 1/6W
R821	401 027 5502	CARBON 6.8K JA 1/6W
R823	401 025 8208	CARBON 22K JA 1/6W
R824	401 026 4308	CARBON 3.3K JA 1/6W
R825	401 026 4308	CARBON 3.3K JA 1/6W
R826	401 024 8001	CARBON 1M JA 1/6W
R827	401 026 4308	CARBON 3.3K JA 1/6W
R828	401 025 1308	CARBON 150 JA 1/6W
R829	401 024 7004	CARBON 1K JA 1/6W
R830	401 027 2600	CARBON 5.6K JA 1/6W
R831	401 025 1902	CARBON 15K JA 1/6W
R832	401 027 0309	CARBON 47K JA 1/6W
R833	401 026 1604	CARBON 270K JA 1/6W
R834	401 024 7400	CARBON 10K JA 1/6W
R835	401 024 9305	CARBON 1.2K JA 1/6W
R836	401 026 6401	CARBON 39 JA 1/6W
R837	401 025 7805	CARBON 2.2K JA 1/6W
R838	401 025 8208	CARBON 22K JA 1/6W
R846	401 025 7409	CARBON 220 JA 1/6W
R847	401 025 5405	CARBON 2.2 JA 1/6W
R848	401 014 2903	CARBON 150 JA 1/4W
R850	401 027 5502	CARBON 6.8K JA 1/6W
R851	401 024 7400	CARBON 10K JA 1/6W
R861	401 024 7004	CARBON 1K JA 1/6W
R911	401 025 7805	CARBON 2.2K JA 1/6W
R914	401 025 7409	CARBON 220 JA 1/6W
R915	401 026 9600	CARBON 470 JA 1/6W
R916	401 024 8001	CARBON 1M JA 1/6W
R917	401 026 9600	CARBON 470 JA 1/6W
R918	401 012 7009	CARBON 10K JA 1/4W
R919	401 024 7707	CARBON 100K JA 1/6W
R920	401 014 5201	CARBON 15K JA 1/4W
R921	401 024 7707	CARBON 100K JA 1/6W

Ref. No.	Part No.	Description
R922	401 024 7707	CARBON 100K JA 1/6W
R926	401 024 7400	CARBON 10K JA 1/6W
R927	401 024 7707	CARBON 100K JA 1/6W
R928	401 025 1902	CARBON 15K JA 1/6W
R929	401 025 1902	CARBON 15K JA 1/6W
R930	401 024 7707	CARBON 100K JA 1/6W
R935	401 024 7400	CARBON 10K JA 1/6W
R936	401 025 7805	CARBON 2.2K JA 1/6W
R937	401 024 9305	CARBON 1.2K JA 1/6W
R938	401 025 1902	CARBON 15K JA 1/6W
R946	401 026 9907	CARBON 4.7K JA 1/6W
R947	401 026 9907	CARBON 4.7K JA 1/6W
R948	401 025 7805	CARBON 2.2K JA 1/6W
R962	401 025 1902	CARBON 15K JA 1/6W

GRAPHIC EQUALIZER P.C.BOARD ASSY

Ref. No.	Part No.	Description
94	141-4-290T-47300	P.C BOARD ASSY, GRAPHIC EQUALIZER
VR701	4-220T-35871	VARIABLE RESISTOR, VOLUME (VR701,801)
VR702	4-220T-36400	VARIABLE RESISTOR, EQ, 100HZ (VR702,802)
VR703	4-220T-36400	VARIABLE RESISTOR, EQ, 300HZ (VR703,803)
VR704	4-220T-36400	VARIABLE RESISTOR, EQ, 1KHZ (VR704,804)
VR705	4-220T-36400	VARIABLE RESISTOR, EQ, 3KHZ (VR705,805)
VR706	4-220T-36400	VARIABLE RESISTOR, EQ, 10KHZ (VR706,806)
VR901	4-220T-41200	VARIABLE RESISTOR, BALANCE
CN	4-240T-83572	SOCKET, 2P (1P USED)
CN4	4-240T-83575	SOCKET, 5P
CN7	4-240T-83573	SOCKET, 3P
IC701	409 017 1503	IC LA3600
IC801	409 017 1503	IC LA3600
Q571	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
C571	403 050 0509	ELECT 2.2U M 50V
C572	403 049 0800	ELECT 1U M 50V
C731	403 046 2104	ELECT 3.3U M 25V
C732	403 003 9009	CERAMIC 0.039U M 25V
C733	403 048 6902	ELECT 0.47U M 50V
C734	403 107 7208	CERAMIC 0.012U M 16V
C735	403 048 2508	ELECT 0.22U M 50V
C736	403 001 7106	CERAMIC 3900P M 16V
C737	403 004 4904	CERAMIC 0.068U M 25V
C738	403 070 6505	CERAMIC 1200P M 50V
C739	403 118 9000	CERAMIC 0.022U N 6V
C740	403 073 3402	CERAMIC 390P K 50V
C741	403 004 4102	CERAMIC 6800P M 25V
C746	403 069 1207	CERAMIC 1000P K 50V
C747	403 050 7102	ELECT 3.3U M 50V
C748	403 040 2209	ELECT 22U M 10V
C831	403 046 2104	ELECT 3.3U M 25V
C832	403 003 9009	CERAMIC 0.039U M 25V
C833	403 048 6902	ELECT 0.47U M 50V
C834	403 002 6801	CERAMIC 0.012U N 25V
C835	403 048 2508	ELECT 0.22U M 50V
C836	403 005 1209	CERAMIC 3900P M 50V
C837	403 004 4904	CERAMIC 0.068U M 25V
C838	403 001 3306	CERAMIC 1200P M 16V
C839	403 118 9000	CERAMIC 0.022U N 6V
C840	403 073 3204	CERAMIC 390P K 50V
C841	403 004 4102	CERAMIC 6800P M 25V
C846	403 069 1207	CERAMIC 1000P K 50V
C847	403 050 7102	ELECT 3.3U M 50V
C848	403 040 2209	ELECT 22U M 10V
C912	403 041 2703	ELECT 47U M 10V

Ref. No.	Part No.	Description
C913	403 039 7307	ELECT 100U M 10V
R571	401 027 0309	CARBON 47K JA 1/6W
R572	401 024 7400	CARBON 10K JA 1/6W
R573	401 024 6403	CARBON 10 JA 1/6W
R574	401 026 4308	CARBON 3.3K JA 1/6W
R575	401 024 7400	CARBON 10K JA 1/6W
R740	401 024 7400	CARBON 10K JA 1/6W
R742	401 024 7004	CARBON 1K JA 1/6W
R743	401 024 7400	CARBON 10K JA 1/6W
R744	401 025 7805	CARBON 2.2K JA 1/6W
R745	401 025 8208	CARBON 22K JA 1/6W
R752	401 026 9907	CARBON 4.7K JA 1/6W
R840	401 024 7400	CARBON 10K JA 1/6W
R842	401 024 7004	CARBON 1K JA 1/6W
R843	401 024 7400	CARBON 10K JA 1/6W
R844	401 025 7805	CARBON 2.2K JA 1/6W
R845	401 025 8208	CARBON 22K JA 1/6W
R852	401 026 9907	CARBON 4.7K JA 1/6W
R931	401 025 3807	CARBON 180 JA 1/6W
R932	401 026 9600	CARBON 470 JA 1/6W

TAPE DIRECTION P.C.BOARD ASSY

Ref. No.	Part No.	Description
95	141-4-290T-47400	P.C BOARD ASSY, TAPE DIRECTION LED
CN5	4-240T-83573	SOCKET, 3P
D902	407 037 5501	LED SLP-183B-09-B
D903	407 037 5501	LED SLP-183B-09-B
R933	401 026 9600	CARBON 470 JA 1/6W
R934	401 026 9600	CARBON 470 JA 1/6W

POWER SUPPLY P.C.BOARD ASSY

Ref. No.	Part No.	Description
96	141-4-290T-47500	P.C BOARD ASSY, POWER SUPPLY
	4-237T-00100	TERMINAL BOARD
or	141-2-382T-16700	TERMINAL
T901	⚠ 4-320T-29900	POWER TRANSFORMER
S961	4-238T-37300	SWITCH, AC/DC
CN8	4-240T-83572	SOCKET, 2P
D905	⚠ 407 004 9105	DIODE DSF10C
D906	⚠ 407 004 9105	DIODE DSF10C
D907	⚠ 407 004 9105	DIODE DSF10C
D908	⚠ 407 004 9105	DIODE DSF10C
C919	403 047 3100	ELECT 47U M 25V
C920	403 072 2703	CERAMIC 0.022U Z 50V
C921	403 072 2703	CERAMIC 0.022U Z 50V
C922	403 072 2703	CERAMIC 0.022U Z 50V
C923	403 072 2703	CERAMIC 0.022U Z 50V

BATTERY TERMINAL P.C.BOARD ASSY

Ref. No.	Part No.	Description
97	141-4-290T-47600	P.C BOARD ASSY, BATTERY TERMINAL
	141-2-336T-33700	TERMINAL BATTERY (-)

SPECTRUM ANALYZER P.C.BOARD ASSY

Ref. No.	Part No.	Description
98	141-4-290T-47700	P.C BOARD ASSY, SPECTRUM ANALYZER
CN6	4-240T-83573	SOCKET, 3P
IC571	409 020 2504	IC LB1423

Ref. No.	Part No.	Description
IC572	409 020 2504	IC LB1423
IC573	409 020 2504	IC LB1423
IC574	409 020 2504	IC LB1423
IC575	409 020 2504	IC LB1423
D571	407 037 0506	LED SLP-153B-40-B
D572	407 037 0506	LED SLP-153B-40-B
D573	407 037 0506	LED SLP-153B-40-B
D574	407 037 0506	LED SLP-153B-40-B
D575	407 037 0506	LED SLP-153B-40-B
D576	407 037 0506	LED SLP-153B-40-B
D577	407 037 0506	LED SLP-153B-40-B
D578	407 037 0506	LED SLP-153B-40-B
D579	407 037 0506	LED SLP-153B-40-B
D580	407 037 0506	LED SLP-153B-40-B
D581	407 037 0506	LED SLP-153B-40-B
D582	407 037 0506	LED SLP-153B-40-B
D583	407 037 0506	LED SLP-153B-40-B
D584	407 037 0506	LED SLP-153B-40-B
D585	407 037 0506	LED SLP-153B-40-B
D586	407 037 0506	LED SLP-153B-40-B
D587	407 037 0506	LED SLP-153B-40-B
D588	407 037 0506	LED SLP-153B-40-B
D589	407 037 0506	LED SLP-153B-40-B
D590	407 037 0506	LED SLP-153B-40-B
D591	407 037 0506	LED SLP-153B-40-B
D592	407 037 0506	LED SLP-153B-40-B
D593	407 037 0506	LED SLP-153B-40-B
D594	407 037 0506	LED SLP-153B-40-B
D595	407 037 0506	LED SLP-153B-40-B
C573	403 041 8804	ELECT 10U M 16V
C574	403 004 2900	CERAMIC 0.056U M 25V
C575	403 048 1907	ELECT 0.22U M 50V
C576	403 041 8804	ELECT 10U M 16V
C577	403 002 2902	CERAMIC 0.01U M 25V
C578	403 003 7104	CERAMIC 0.033U M 25V
C579	403 041 8804	ELECT 10U M 16V
C580	403 004 9602	CERAMIC 2200P M 50V
C581	403 002 9406	CERAMIC 0.015U N 25V
C582	403 041 8804	ELECT 10U M 16V
C583	403 075 4704	CERAMIC 820P K 50V
C584	403 105 8108	CERAMIC 2700P M 50V
C585	403 041 8804	ELECT 10U M 16V
C586	403 071 6405	CERAMIC 220P J 50V
C587	403 074 9403	CERAMIC 680P K 50V
C588	403 047 3100	ELECT 47U M 25V
R576	401 012 7009	CARBON 10K JA 1/4W
R577	401 012 8105	CARBON 100K JA 1/4W
R578	401 022 3107	CARBON 6.8K JA 1/4W
R579	401 012 7009	CARBON 10K JA 1/4W
R580	401 012 8105	CARBON 100K JA 1/4W
R581	401 012 7009	CARBON 10K JA 1/4W
R582	401 024 7400	CARBON 10K JA 1/6W
R583	401 012 8105	CARBON 100K JA 1/4W
R584	401 024 7400	CARBON 10K JA 1/6W
R585	401 024 7400	CARBON 10K JA 1/6W
R586	401 012 8105	CARBON 100K JA 1/4W
R587	401 024 7400	CARBON 10K JA 1/6W
R588	401 012 7009	CARBON 10K JA 1/4W
R589	401 013 7305	CARBON 120K JA 1/4W
R590	401 012 7009	CARBON 10K JA 1/4W
R591	401 025 3609	CARBON 18 JA 1/6W
R592	401 024 6700	CARBON 100 JA 1/6W
R593	401 024 6700	CARBON 100 JA 1/6W
R594	401 024 6700	CARBON 100 JA 1/6W
R595	401 024 6700	CARBON 100 JA 1/6W
R596	401 024 6700	CARBON 100 JA 1/6W

PARTS LIST

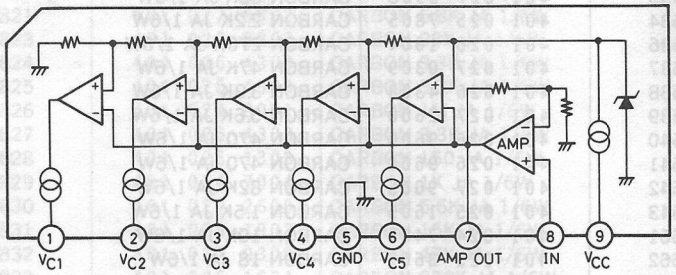
PRE-AMP. P.C.BOARD ASSY

Ref. No.	Part No.	Description
99	141-4-290T-47800	P.C BOARD ASSY, PRE-AMP.
	4-237T-00100	TERMINAL BOARD
or	141-2-382T-16700	TERMINAL
SVR701	4-220T-33078	SEMI-FIXED RESISTOR
SVR801	4-220T-33078	SEMI-FIXED RESISTOR
IC901	409 016 7704	IC LA3160
Q702	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q709	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q802	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
Q809	405 012 2002	TR 2SC1815-GR
or	405 019 4108	TR 2SC536-G-AUD-NP
or	T2SC945A-P--C	TR 2SC945A-T-P
D909	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
D921	407 007 9904	DIODE GMA01
or	407 012 4406	DIODE 1SS133
C701	403 049 0008	ELECT 1U M 50V
C702	403 073 7004	CERAMIC 470P K 50V
C704	403 041 2109	ELECT 47U M 10V
C705	403 003 5100	CERAMIC 0.027U M 25V
C706	403 049 0008	ELECT 1U M 50V
C707	403 068 9402	CERAMIC 100P K 50V

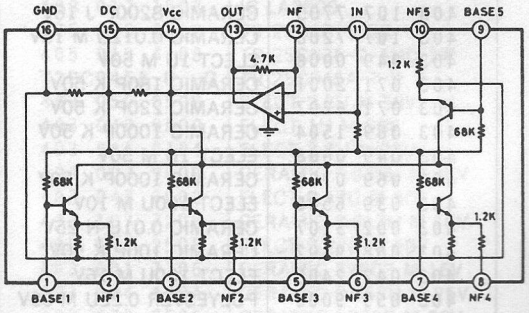
Ref. No.	Part No.	Description
C708	403 002 9000	CERAMIC 0.015U M 25V
C801	403 049 0008	ELECT 1U M 50V
C802	403 073 7004	CERAMIC 470P K 50V
C804	403 041 2109	ELECT 47U M 10V
C805	403 003 5100	CERAMIC 0.027U M 25V
C806	403 049 0008	ELECT 1U M 50V
C807	403 068 9402	CERAMIC 100P K 50V
C808	403 002 9000	CERAMIC 0.015U M 25V
C901	403 041 4509	ELECT 470U M 10V
C926	403 041 2109	ELECT 47U M 10V
R701	401 026 6401	CARBON 39 JA 1/6W
R702	401 024 7707	CARBON 100K JA 1/6W
R703	401 026 9907	CARBON 4.7K JA 1/6W
R704	401 027 5502	CARBON 6.8K JA 1/6W
R707	401 026 9907	CARBON 4.7K JA 1/6W
R710	401 024 7400	CARBON 10K JA 1/6W
R749	401 025 7805	CARBON 2.2K JA 1/6W
R801	401 026 6401	CARBON 39 JA 1/6W
R802	401 024 7707	CARBON 100K JA 1/6W
R803	401 026 9907	CARBON 4.7K JA 1/6W
R804	401 027 5502	CARBON 6.8K JA 1/6W
R807	401 026 9907	CARBON 4.7K JA 1/6W
R810	401 024 7400	CARBON 10K JA 1/6W
R849	401 025 7805	CARBON 2.2K JA 1/6W
R901	401 026 9600	CARBON 470 JA 1/6W
R939	401 024 9701	CARBON 12K JA 1/6W
R940	401 027 0309	CARBON 47K JA 1/6W

IC BLOCK DIAGRAM

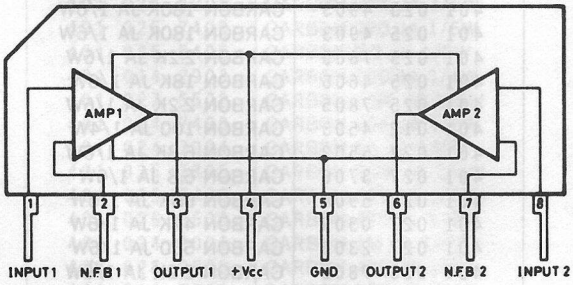
IC571 LB1423 LEVEL METER



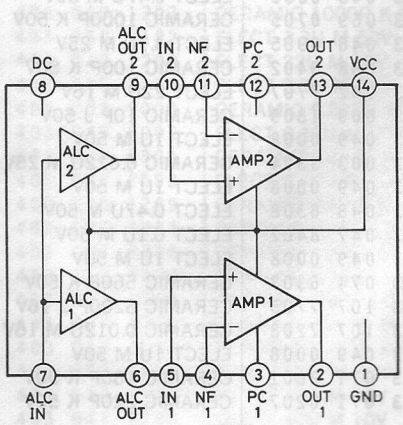
IC701, LA3600 GRAPHIC EQUALIZER



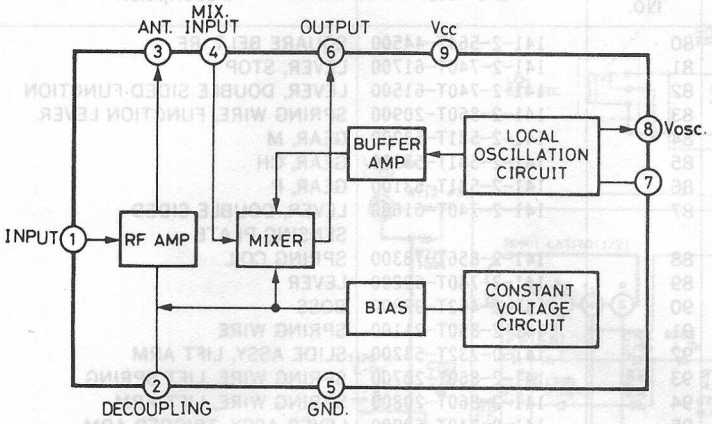
IC901 LA3160 EQUALIZER AM



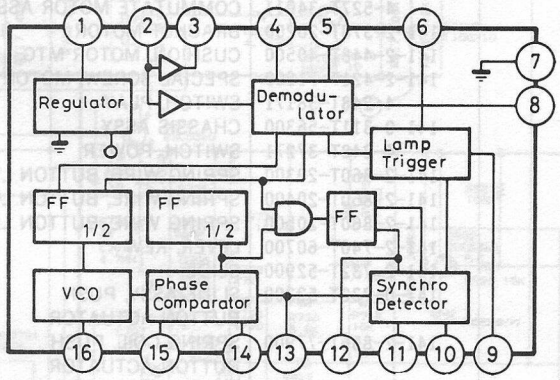
IC902 LA3220 PRE-AMP



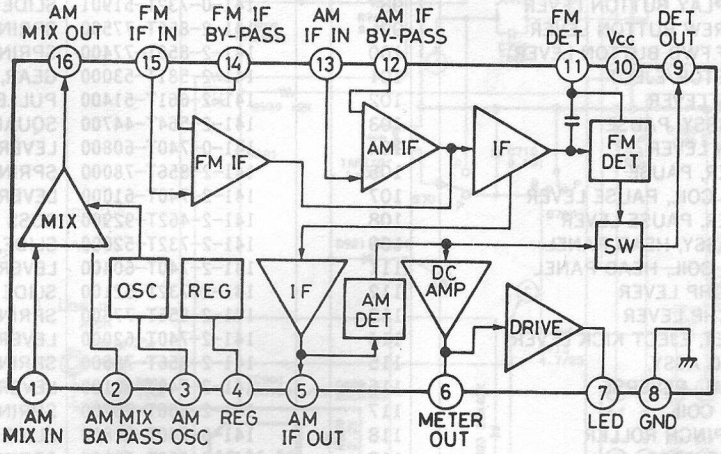
IC101 TA7358P FM FRONT END



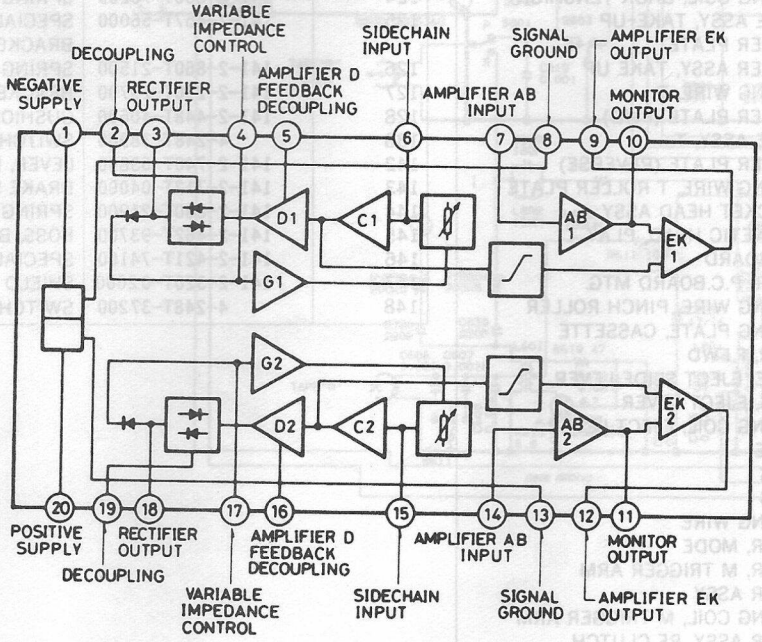
IC301 LA3361 FM MPX



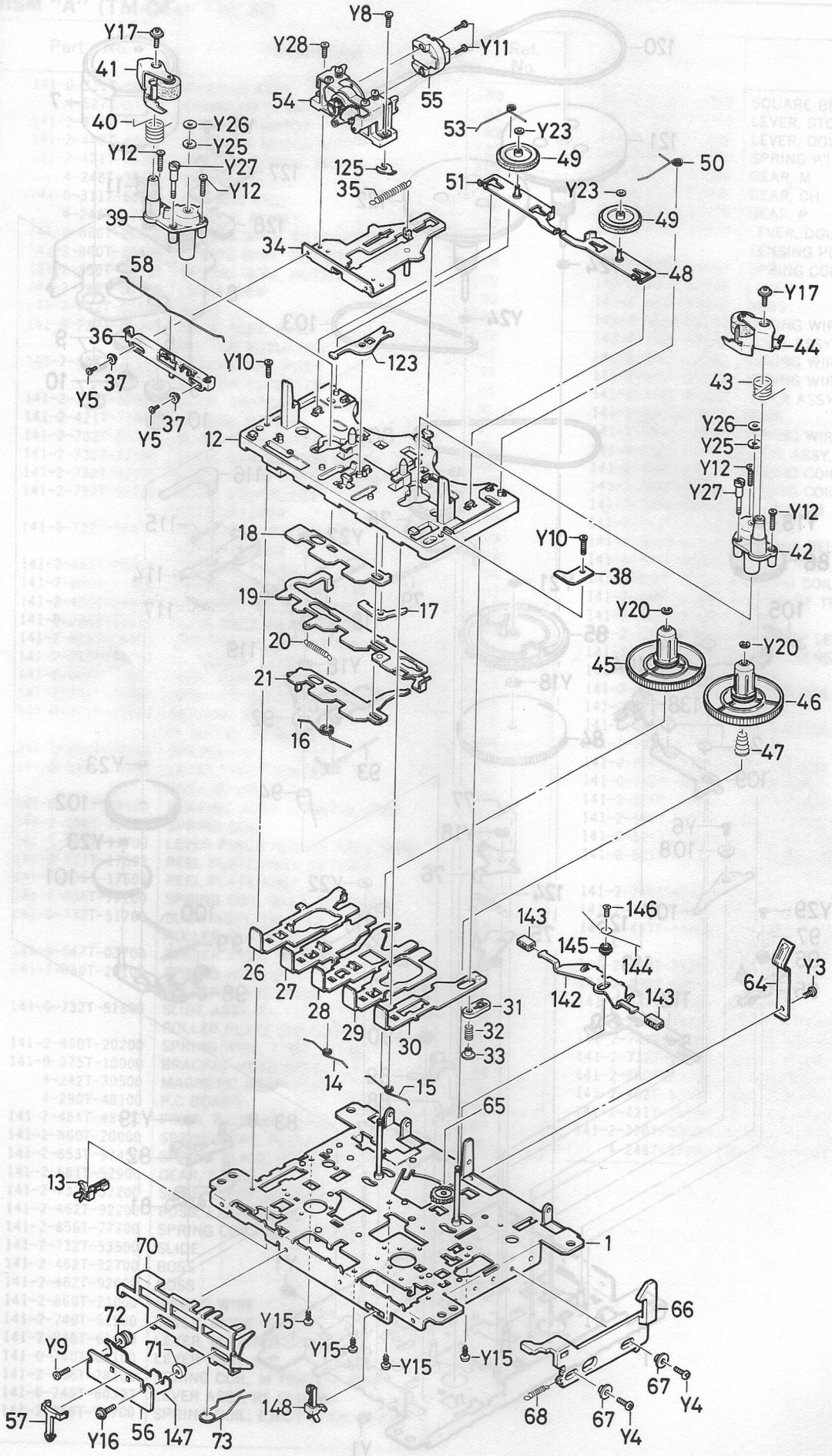
IC201 TA7640AP FM/AM IF AMP & DETECTOR



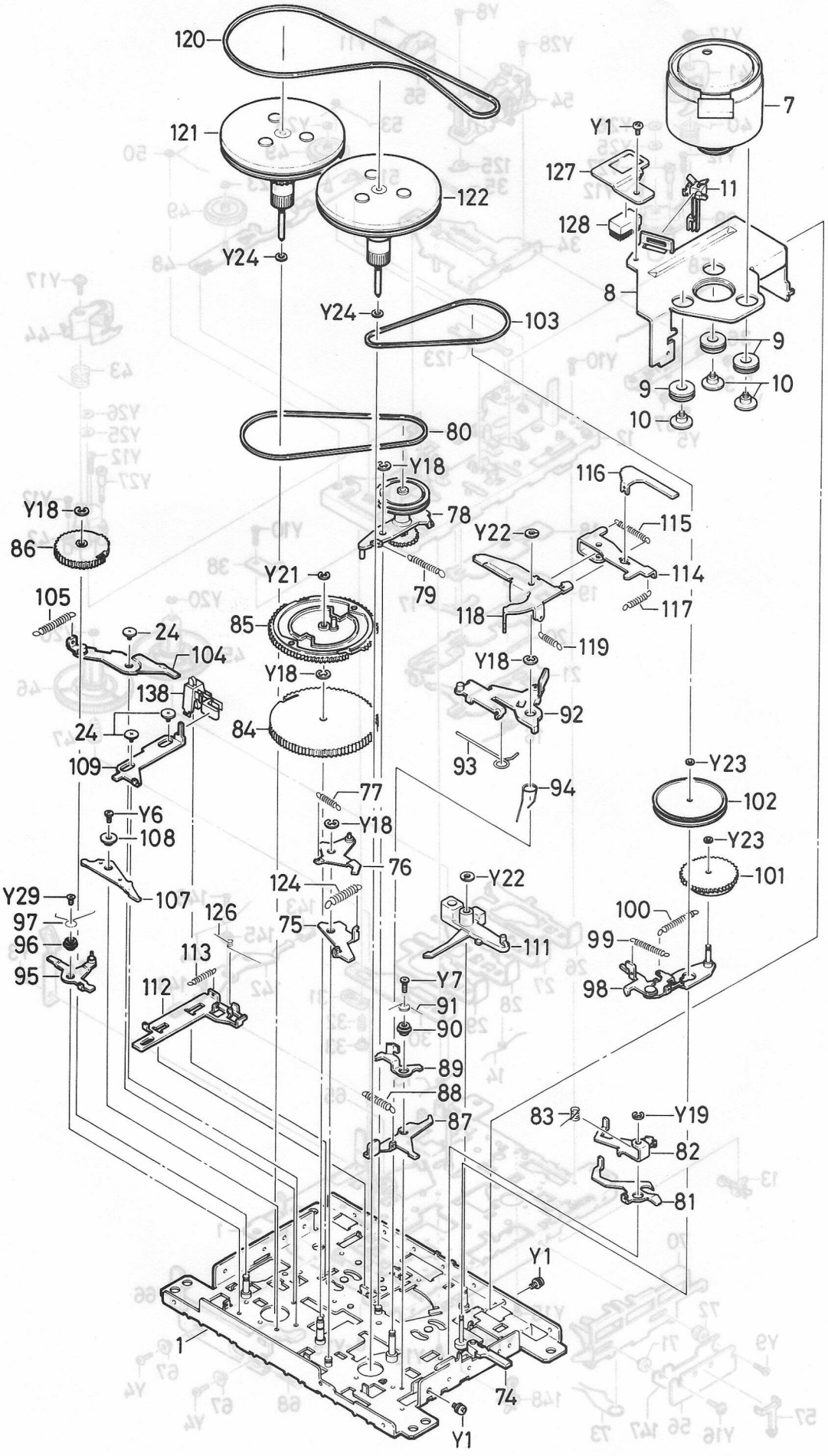
IC501 LM1131CN DOLBY NR



EXPLODED VIEW (MECHANISM TAPE "A" ①)



EXPLODED VIEW (MECHANISM TAPE " A " ②)



PARTS LIST

MECHANISM "A" (TM-C44P TN/JN)

Ref. No.	Part No.	Description
1	141-0-311T-56200	CHASSIS ASSY
7	4-527T-34011	COMMUTATE MOTOR ASSY
8	141-2-378T-20200	BRACKET MOTOR
9	141-2-448T-40500	CUSHION, MOTOR MTG.
10	141-2-421T-71600	SPECIAL SCREW, MOTOR MTG.
11	4-248T-38171	SWITCH, PLAY
12	141-0-311T-56300	CHASSIS ASSY
13	4-248T-37271	SWITCH, POWER
14	141-2-860T-20300	SPRING WIRE, BUTTON LEVER
15	141-2-860T-20400	SPRING WIRE, BUTTON LEVER
16	141-2-860T-20500	SPRING WIRE, BUTTON LEVER
17	141-2-740T-60700	LEVER, REW
18	141-2-732T-52900	SLIDE
19	141-0-732T-52300	SLIDE ASSY, PUSH BUTTON ACTUATOR
20	141-2-856T-77900	SPRING COIL, PUSH BUTTON ACTUATOR
21	141-2-732T-52500	SLIDE, SWITCH ACTUATOR
24	141-2-421T-71900	SPECIAL SCREW
26	141-2-732T-53100	SLIDE, PLAY BUTTON LEVER
27	141-2-732T-52600	SLIDE, REW BUTTON LEVER
28	141-2-732T-52700	SLIDE, F.FWD BUTTON LEVER
29	141-2-732T-52800	SLIDE, STOP/EJECT BUTTON LEVER
30	141-0-732T-52400	SLIDE ASSY, PAUSE BUTTON LEVER
31	141-2-465T-26500	STOPPER, PAUSE
32	141-2-856T-77800	SPRING COIL, PAUSE LEVER
33	141-2-465T-26600	STOPPER, PAUSE LEVER
34	141-0-732T-51600	SLIDE ASSY, HEAD PANEL
35	141-2-856T-76400	SPRING COIL, HEAD PANEL
36	141-2-732T-51500	SLIDE, CHP LEVER
37	141-2-462T-92100	BOSS, CHP LEVER
38	141-2-290T-29800	BRACKET, EJECT KICK LEVER
39	141-0-573T-19900	BEARING ASSY, FL METAL, REVERSE
40	141-2-856T-76500	SPRING COIL
41	141-0-545T-11800	LEVER PINCH ROLLER ASSY, REVERSE
42	141-0-573T-19800	BEARING ASSY, FL METAL, FWD
43	141-2-856T-76600	SPRING COIL
44	141-0-545T-11700	LEVER PINCH ROLLER ASSY, FWD
45	141-0-531T-17602	REEL PLATE ASSY, REVERSE
46	141-0-531T-17603	REEL PLATE ASSY, FWD
47	141-2-856T-77200	SPRING COIL, BACK TENSHION
48	141-0-732T-51700	SLIDE ASSY, TAKE-UP ROLLER PLATE
49	141-0-547T-03700	ROLLER ASSY, TAKE UP
50	141-2-860T-20100	SPRING WIRE, T ROLLER PLATE (FWD)
51	141-0-732T-51800	SLIDE ASSY, T ROLLER PLATE (REVERSE)
53	141-2-860T-20200	SPRING WIRE, T ROLLER PLATE
54	141-0-375T-10000	BRACKET HEAD ASSY
55	4-242T-39500	MAGNETIC HEAD, PLAY
56	4-290T-48100	P.C BOARD
57	141-2-464T-48400	FIXER, P.C.BOARD MTG.
58	141-2-860T-20000	SPRING WIRE, PINCH ROLLER
64	141-2-853T-97400	SPRING PLATE, CASSETTE
65	141-2-581T-52900	GEAR, F.FWD
66	141-2-732T-52200	SLIDE, EJECT SLIDE LEVER
67	141-2-462T-92200	BOSS, EJECT LEVER
68	141-2-856T-77700	SPRING COIL, EJECT LEVER
70	141-2-732T-53500	SLIDE
71	141-2-462T-92700	BOSS
72	141-2-462T-92600	BOSS
73	141-2-860T-21000	SPRING WIRE
74	141-2-740T-61900	LEVER, MODE
75	141-2-740T-61200	LEVER, M TRIGGER ARM
76	141-0-740T-61100	LEVER ASSY
77	141-2-856T-78100	SPRING COIL, M TRIGGER ARM
78	141-0-740T-60302	LEVER ASSY, RF CLUTCH
79	141-2-856T-76700	SPRING COIL, EJECT SLIDE LEVER
80	141-2-564T-44500	SQUARE BELT, RF
81	141-2-740T-61700	LEVER, STOP
82	141-2-740T-61500	LEVER, DOUBLE SIDED FUNCTION
83	141-2-860T-20900	SPRING WIRE, FUNCTION LEVER
84	141-2-581T-53200	GEAR, M
85	141-2-581T-53300	GEAR, CH
86	141-2-581T-53100	GEAR, P
87	141-2-740T-61600	LEVER, DOUBLE SIDED SENSING PLATE
88	141-2-856T-78300	SPRING COIL
89	141-2-740T-62200	LEVER
90	141-2-462T-92800	BOSS
91	141-2-860T-21100	SPRING WIRE
92	141-0-732T-53200	SLIDE ASSY, LIFT ARM
93	141-2-860T-20700	SPRING WIRE, LIFT SPRING
94	141-2-860T-20800	SPRING WIRE, LIFT ARM
95	141-0-740T-60900	LEVER ASSY, TRIGGER ARM
96	141-2-462T-92300	BOSS
97	141-2-860T-20600	SPRING WIRE
98	141-0-732T-51901	SLIDE ASSY, CAM GEAR PLATE
99	141-2-856T-77500	SPRING COIL, SENSOR PLATE
100	141-2-856T-77400	SPRING COIL, CAM GEAR PLATE
101	141-2-581T-53000	GEAR, CAM
102	141-2-661T-51400	PULLEY
103	141-2-564T-44700	SQUARE BELT, FULL AUTO BELT
104	141-0-740T-60800	LEVER ASSY, P ACTUATOR ARM
105	141-2-856T-78000	SPRING COIL, P ACTUATOR ARM
107	141-2-740T-61000	LEVER, RF TRIGGER ARM
108	141-2-462T-92900	BOSS
109	141-2-732T-52000	SLIDE, RF LEVER
111	141-2-740T-60400	LEVER, SENSING PLATE
112	141-2-732T-52100	SLIDE
113	141-2-856T-77300	SPRING COIL, CONTROL LEVER
114	141-2-740T-62000	LEVER
115	141-2-856T-78500	SPRING COIL, EJECT ARM
116	141-2-740T-62100	LEVER
117	141-2-856T-78700	SPRING COIL
118	141-0-740T-61800	SLIDE ASSY
119	141-2-856T-78600	SPRING COIL
120	141-2-564T-44600	SQUARE BELT, MAIN BELT
121	141-0-521T-18201	FLYWHEEL ASSY, GEAR CAPSTAN
122	141-0-521T-18101	FLYWHEEL ASSY, PULLEY CAPSTAN
123	141-2-740T-61300	LEVER
124	141-2-856T-78200	SPRING COIL
125	141-2-457T-56000	SPECIAL WASHER, BRACKET HEAD ASSY
126	141-2-860T-21500	SPRING WIRE
127	141-2-290T-29700	BRACKET
128	141-2-448T-40600	CUSHION
138	4-248T-38200	SWITCH, FF/REW
142	141-2-740T-63800	LEVER, BRAKE ARM
143	141-2-712T-04000	BRAKE SHOE
144	141-2-860T-21900	SPRING WIRE, BRAKE
145	141-2-462T-93700	BOSS, BRAKE ARM
146	141-2-421T-74100	SPECIAL SCREW, BRAKE ARM
147	141-2-320T-02600	SHIELD PLATE, P.C.BOARD MTG.
148	4-248T-37200	SWITCH, REVERSE

PARTS LIST

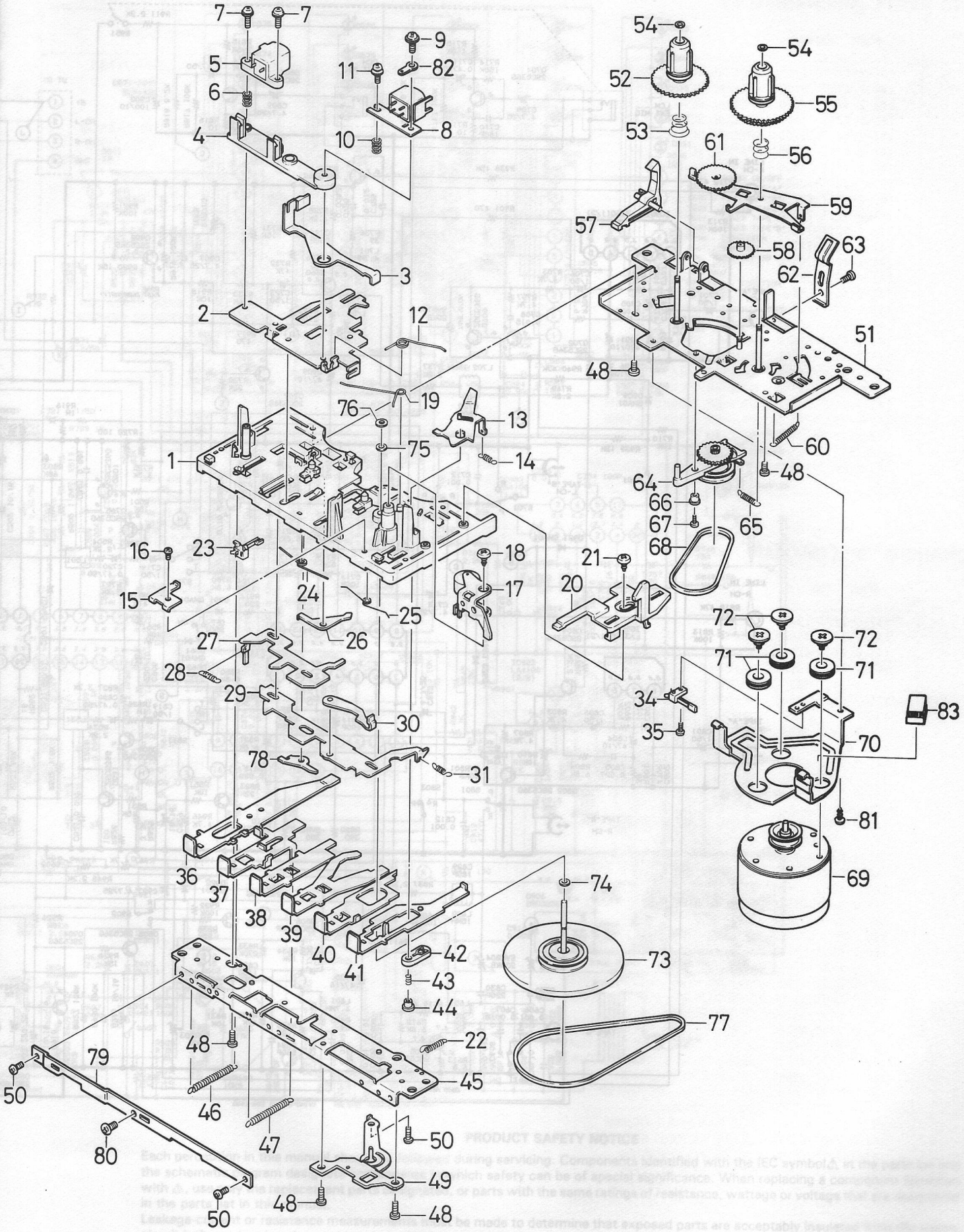
FIXING PARTS (MECHANISM A)

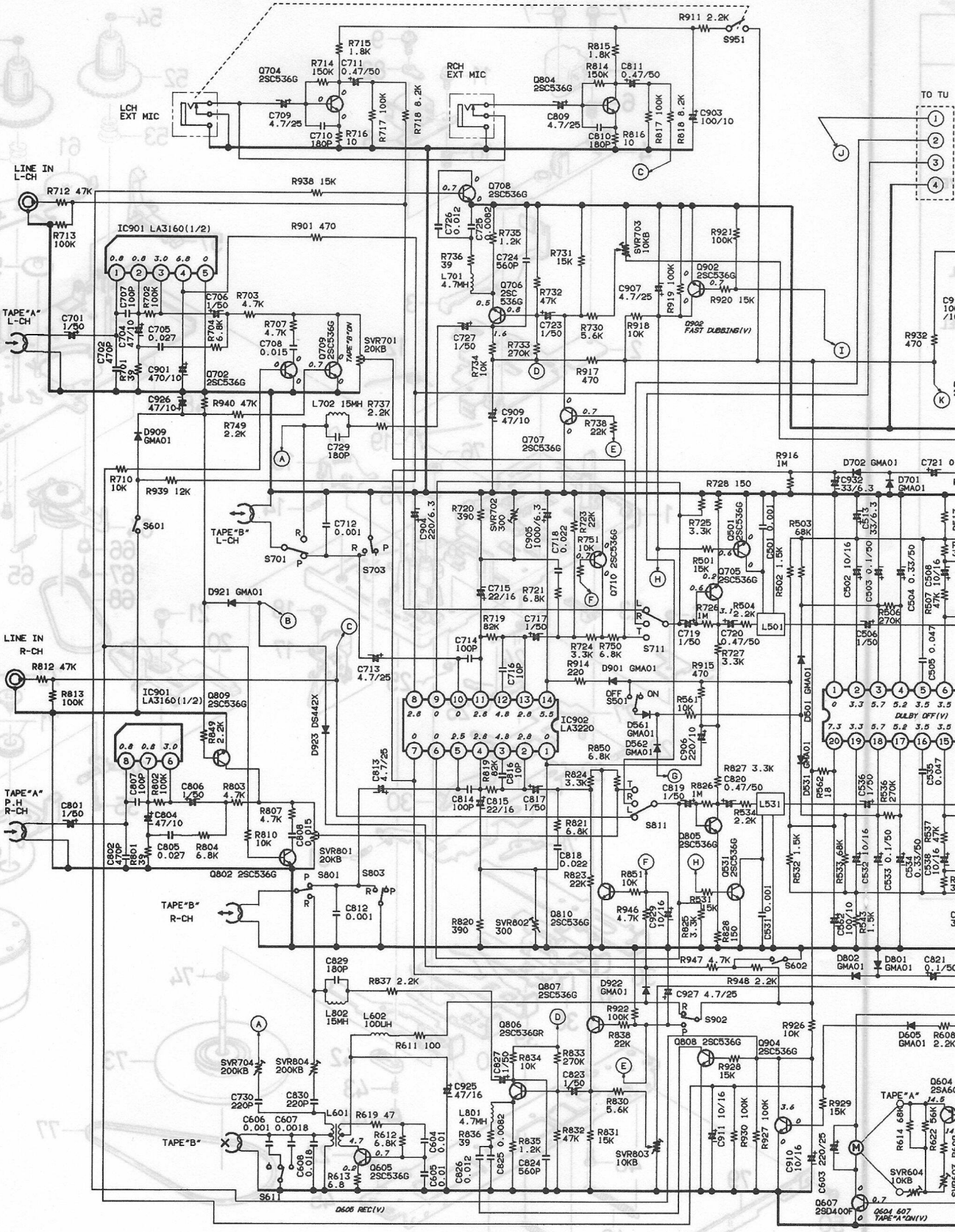
Ref. No.	Part No.	Description
Y1	141-2-421T-71700	SPECIAL SCREW, 2X3MM
Y3	141-2-421T-73200	SPECIAL SCREW, 2X3MM
Y4	141-2-421T-72000	SPECIAL SCREW, 2X5MM
Y5	141-2-421T-71300	SPECIAL SCREW, 1.7X3MM
Y6	141-2-421T-72200	SPECIAL SCREW, 2X3.5MM
Y7	141-2-421T-72300	SPECIAL SCREW, 2X4.5MM
Y8	141-2-421T-71400	SPECIAL SCREW, 2X5.5MM
Y9	141-2-421T-72600	SPECIAL SCREW, 2X6MM
Y10	141-2-421T-72100	SPECIAL SCREW, 2X7MM
Y11	141-2-421T-71200	SPECIAL SCREW, HEAD
Y12	141-2-421T-71800	SPECIAL SCREW, 2X8.5MM
Y15	141-2-421T-71100	SPECIAL SCREW, 2X6MM
Y16	141-2-421T-72400	SPECIAL SCREW
Y17	141-2-421T-71500	SPECIAL SCREW, 2X6MM
Y18	141-2-457T-55600	SPECIAL WASHER, "E" RING 2MM
Y19	141-2-457T-55900	SPECIAL WASHER, "E" RING 1.5MM
Y20	141-2-457T-55700	SPECIAL WASHER, "E" RING 1.5MM
Y21	141-2-457T-55800	SPECIAL WASHER, "E" RING 1.5MM
Y22	141-2-453T-84200	WASHER, 2.1X5X0.4MM
Y23	141-2-453T-84100	WASHER, 1.2X3X0.25MM
Y24	141-2-453T-83900	WASHER, 2X3.5X0.3MM
Y25	141-2-453T-84000	WASHER, 1.55X5X0.5MM
Y26	141-2-453T-84300	WASHER, 1.95X5X0.4MM
Y27	141-2-421T-73400	SPECIAL SCREW
Y28	141-2-421T-73300	SPECIAL SCREW, 2X6MM
Y29	141-2-421T-73500	SPECIAL SCREW, 2X3.5MM

MECHANISM "B" (TM-C44R TN/JN)

Ref. No.	Part No.	Description
1	141-0-312T-19700	SUB CHASSIS ASSY
2	141-2-732T-45600	SLIDE, HEAD PANEL
3	141-0-740T-48200	LEVER ASSY, SENSING PLATE ASSY
4	141-2-375T-10100	BRACKET HEAD, HEAD BASE
5	4-242T-39300	MAGNETIC HEAD, ERASE HEAD
6	141-2-856T-68400	SPRING COIL, ERASE HEAD
7	412 021 2909	SPECIAL SCREW, 2X7.5MM
8	4-242T-29875	MAGNETIC HEAD, RECORD/PLAY
9	412 003 8509	SPECIAL SCREW, 2X7MM
10	141-2-856T-54800	SPRING COIL, HEAD AZIMUTH
11	412 005 7906	SPECIAL SCREW, HEAD AZIMUTH
12	141-2-860T-21300	SPRING WIRE, PINCH ROLLER
13	141-2-740T-47900	LEVER, AUTO
14	141-2-856T-78900	SPRING COIL, AUTO LEVER
15	141-2-290T-30000	BRACKET, SENSING
16	141-2-421T-72800	SPECIAL SCREW, 2X3.5MM
17	141-0-545T-11301	LEVER PINCH ROLLER ASSY
18	141-2-421T-72900	SPECIAL SCREW
19	141-2-860T-14800	SPRING WIRE, HEAD PANEL
20	141-2-732T-53600	SLIDE, EJECT LEVER
21	412 005 8309	SPECIAL SCREW
22	141-2-856T-65200	SPRING COIL, EJECT SLIDE LEVER
23	4-248T-37271	SWITCH, POWER
24	141-2-860T-13000	SPRING WIRE, BUTTON LEVER
25	141-2-860T-03700	SPRING WIRE, BUTTON LEVER
26	141-2-740T-48100	LEVER, REW
27	141-2-732T-45200	SLIDE, SWITCH PLATE
28	141-2-856T-64500	SPRING COIL, SWITCH ACTUATOR
29	141-2-732T-45300	SLIDE, PUSH BUTTON ACTUATOR
30	141-2-740T-62300	LEVER, E KICK LEVER
31	141-2-856T-54100	SPRING COIL, ACTUATOR
34	4-248T-20100	SWITCH, PLAY
35	411 099 0701	SCR PAN PCS 1.7X3MM
36	141-2-740T-57900	LEVER, RECORD BUTTON
37	141-2-740T-65700	LEVER, PLAY BUTTON
38	141-2-740T-58000	LEVER, REW BUTTON
39	141-2-740T-58100	LEVER, F.FWD BUTTON
40	141-2-740T-65600	LEVER, STOP/EJECT BUTTON
41	141-0-740T-58300	LEVER ASSY, PAUSE BUTTON
42	141-2-740T-62400	LEVER, PAUSE
43	141-2-856T-64300	SPRING COIL, PAUSE
44	141-2-465T-26100	STOPPER, PAUSE
45	141-2-737T-12900	BRACKET SLIDE, SUB CHASSIS
46	141-2-856T-64200	SPRING COIL, BUTTON LEVER
47	141-2-856T-64600	SPRING COIL, PLAY BUTTON LEVER
48	412 005 7807	SPECIAL SCREW, 2X5MM
49	141-2-290T-26000	BRACKET, METAL GUIDE
50	411 025 2007	SCR S-TPG PAN 2X4MM
51	141-0-311T-54400	CHASSIS ASSY
52	141-0-532T-08000	REEL GUIDE ASSY, SUPPLY REEL
53	141-2-856T-79000	SPRING COIL, BACK TENSION
54	141-2-453T-84400	WASHER, 1.2X3.7X0.4MM
55	141-0-532T-08100	REEL GUIDE ASSY, TAKE-UP REEL
56	141-2-856T-65000	SPRING COIL, BACK TENSHION
57	141-2-740T-62500	LEVER, UNRECORDING SENSOR
58	141-2-581T-49700	GEAR, F.FWD
59	141-0-740T-62601	LEVER ASSY, TAKE-UP GEAR PLATE
60	141-2-856T-79100	SPRING COIL, TAKE-UP GEAR PLATE
61	141-2-581T-53400	GEAR, TAKE-UP ROLLER
62	141-2-853T-91800	SPRING PLATE, CASSETTE
63	411 025 1901	SCR S-TPG PAN 2X3MM
64	141-0-661T-48901	PULLEY ASSY, RF
65	141-2-856T-79200	SPRING COIL, RF PULLEY ARM
66	141-2-462T-89000	BOSS, RF ARM
67	411 020 0701	SCR PAN PCS 1.7X4MM
68	141-2-564T-44800	SQUARE BELT, RF
69	4-527T-35011	COMMUTATE MOTOR ASSY
70	141-2-378T-20700	BRACKET MOTOR
71	141-2-445T-29400	RUBBER CUSHION, MOTOR
72	412 005 8002	SPECIAL SCREW
73	141-0-521T-18300	FLYWHEEL ASSY
74	141-2-453T-84500	WASHER, 2.05X4X0.5MM
75	412 013 7301	SPECIAL WASHER, 1.55X3.8X0.5MM
76	141-2-453T-84600	WASHER, 1.8X5X0.3MM
77	141-2-564T-45700	SQUARE BELT, MAIN
78	141-2-740T-34000	LEVER
79	141-2-290T-33300	BRACKET
80	411 025 2502	SCR S-TPG PAN 2.6X4MM
81	411 025 2106	SCR S-TPG PAN 2X5MM
82	141-2-472T-00200	LUG, R/P HEAD GROUND
83	141-2-448T-45500	CUSHION, BRACKET MOTOR MTG.

EXPLODED VIEW (MECHANISM TAPE " B "




LCH EXT MIC
RCH EXT MIC
LINE IN L-CH
LINE IN R-CH
TAPE"A" L-CH
TAPE"B" L-CH
TAPE"A" P.H R-CH
TAPE"B" R-CH
TAPE"A"
TAPE"B"
TO TU
IC901 LA3160(1/2)
IC902 LA3220
Q704 2SC536G
Q708 2SC536G
Q706 2SC 536G
Q902 2SC536G
Q707 2SC536G
Q702 2SC536G
Q709 2SC536G
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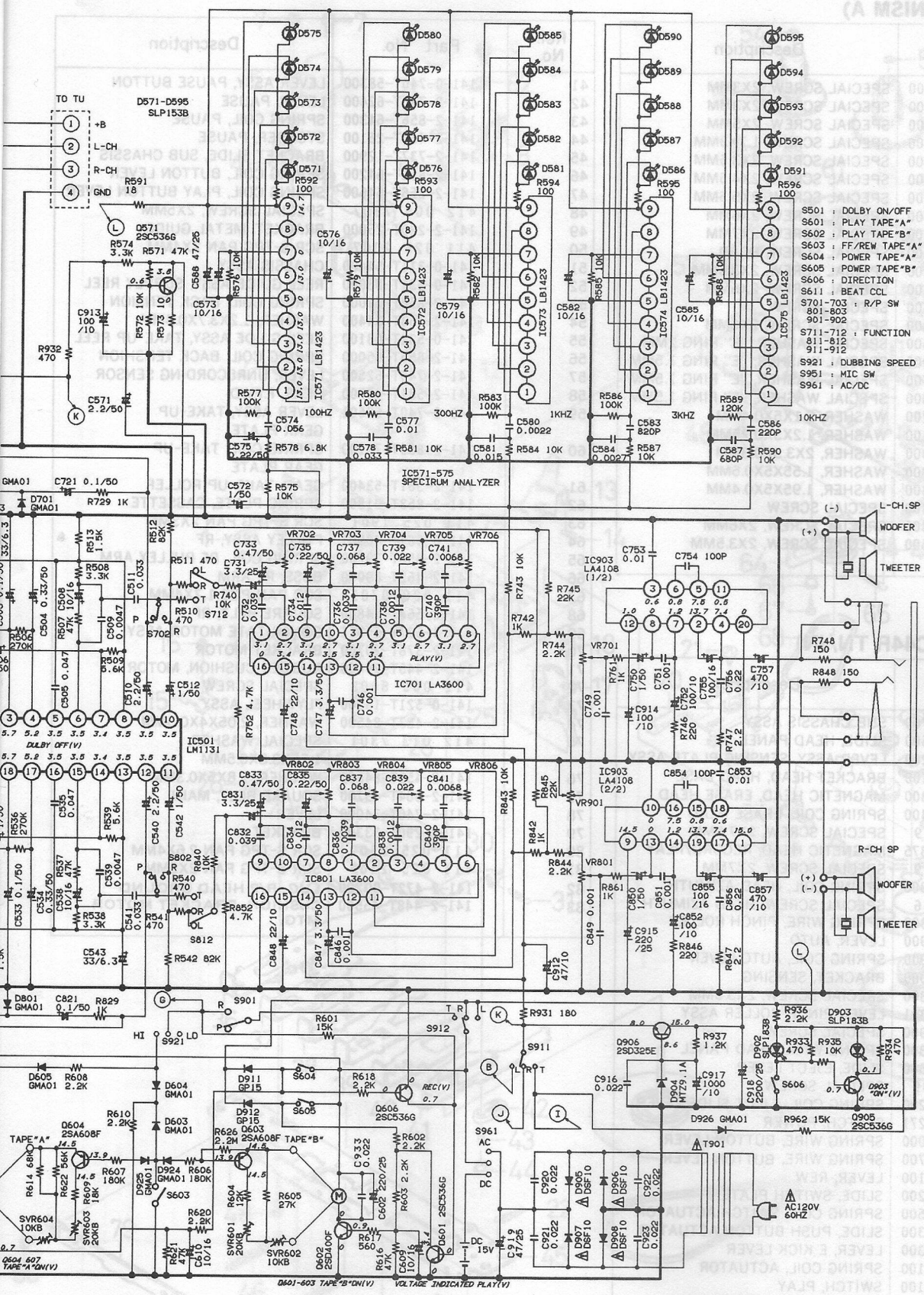
Q904 2SC536G
Q807 2SC536G
Q605 2SC536G
Q607 2SD400F
D804 2SC536G
D702 GMA01
D701 GMA01
D909 GMA01
D921 GMA01
D914 GMA01
D923 DS442X
D561 GMA01
D562 GMA01
D922 GMA01
D802 GMA01
D801 GMA01
D605 GMA01
D501 GMA01
D531 GMA01
L701 4.7MH
L702 15MH
L802 15MH
L602 100UH
L601
L501
L531
L801 4.7MH
S951
S601
S701
S703
S711
S501
S811
S801
S803
S902
S602
S611
SVR701 20KB
SVR703 10KB
SVR704 200KB
SVR804 200KB
SVR801 20KB
SVR802 300
SVR803 10KB
SVR604 10KB
DOLBY OFF(V)
D902 FAST DUBBING(V)
D606 REC(V)
Q604 607 TAPE"A"ON(V)



PRODUCT SAFETY NOTICE

Each percaution in this manual should be followed during servicing. Components identifled with the IEC symbol⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual.

Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before erturning the product to the customer.

WIRING DIAGRAM (TUNER)

SWITCHES

S501.....DOLBY ON / OFF SELECT SWITCH
S601.....PLAY SWITCH, TAPE "A"
S602.....PLAY SWITCH, TAPE "B"
S603.....F. FWD / REW, TAPE "A"
S604.....POWER SWITCH, TAPE "A"
S605.....POWER SWITCH TAPE "B"
S606.....TAPE DIRECTION SWITCH
S611.....BEAT CANCEL SWITCH
S701~703, S801~803, S901.902 ...RECORD / PLAY CHANGE SWITCH
S711.712, S811.812, S911.912 ....FUNCTION SELECT SWITCH
S921.....DUBBING SPEED SWITCH
S951.....MIC SWITCH
S961.....AC / DC CHANGE SWITCH

Q501.531.571, Q601.605.606, Q702.704~710, Q802.804~810, Q902.904.905 .....2SC536
Q603.604.....2SA608

Q602.607.....2SD400

Q906.....2SD325

IC501.....LM1131

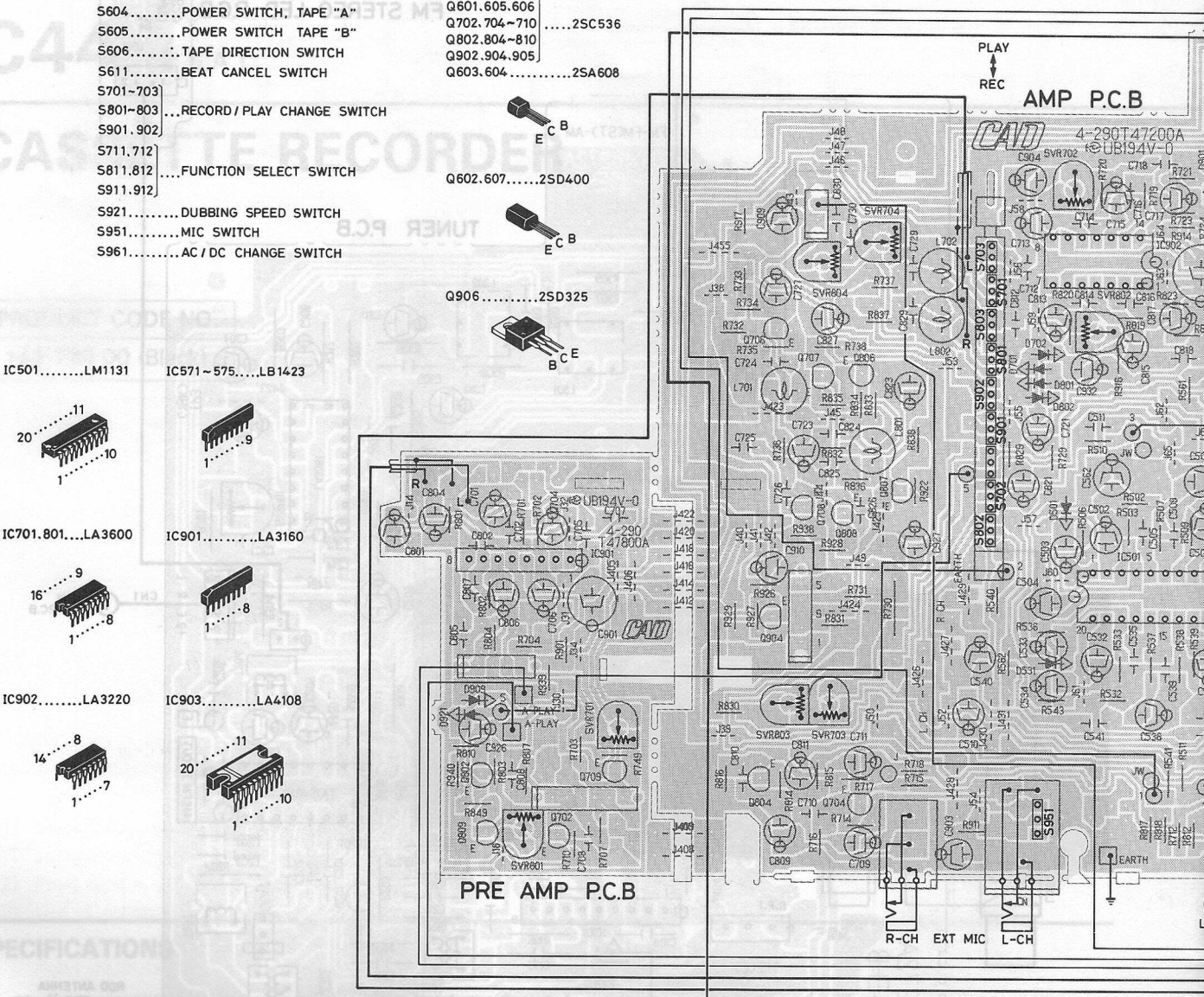
IC571~575.....LB1423

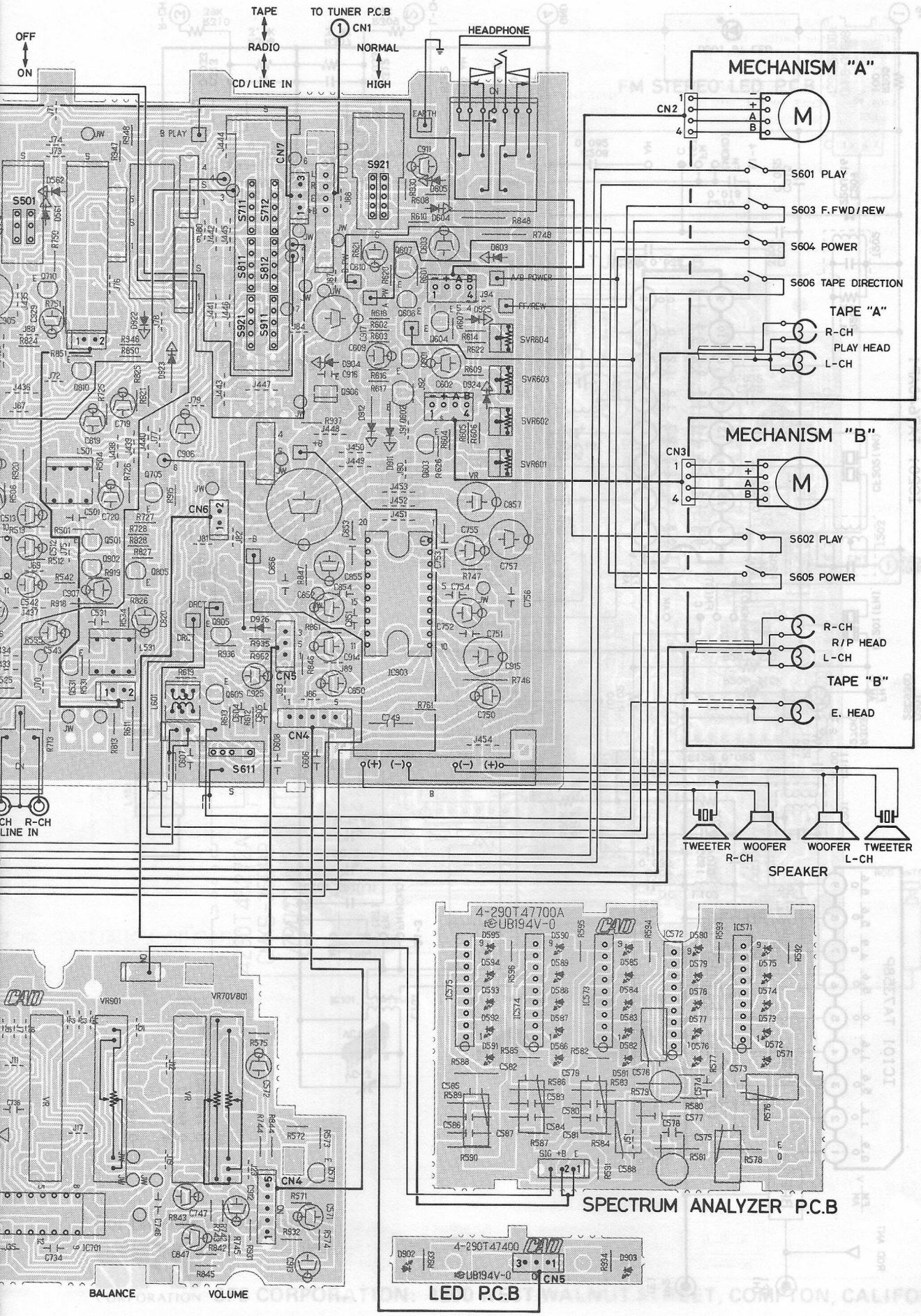
IC701.801....LA3600

IC901.....LA3160

IC902.....LA3220

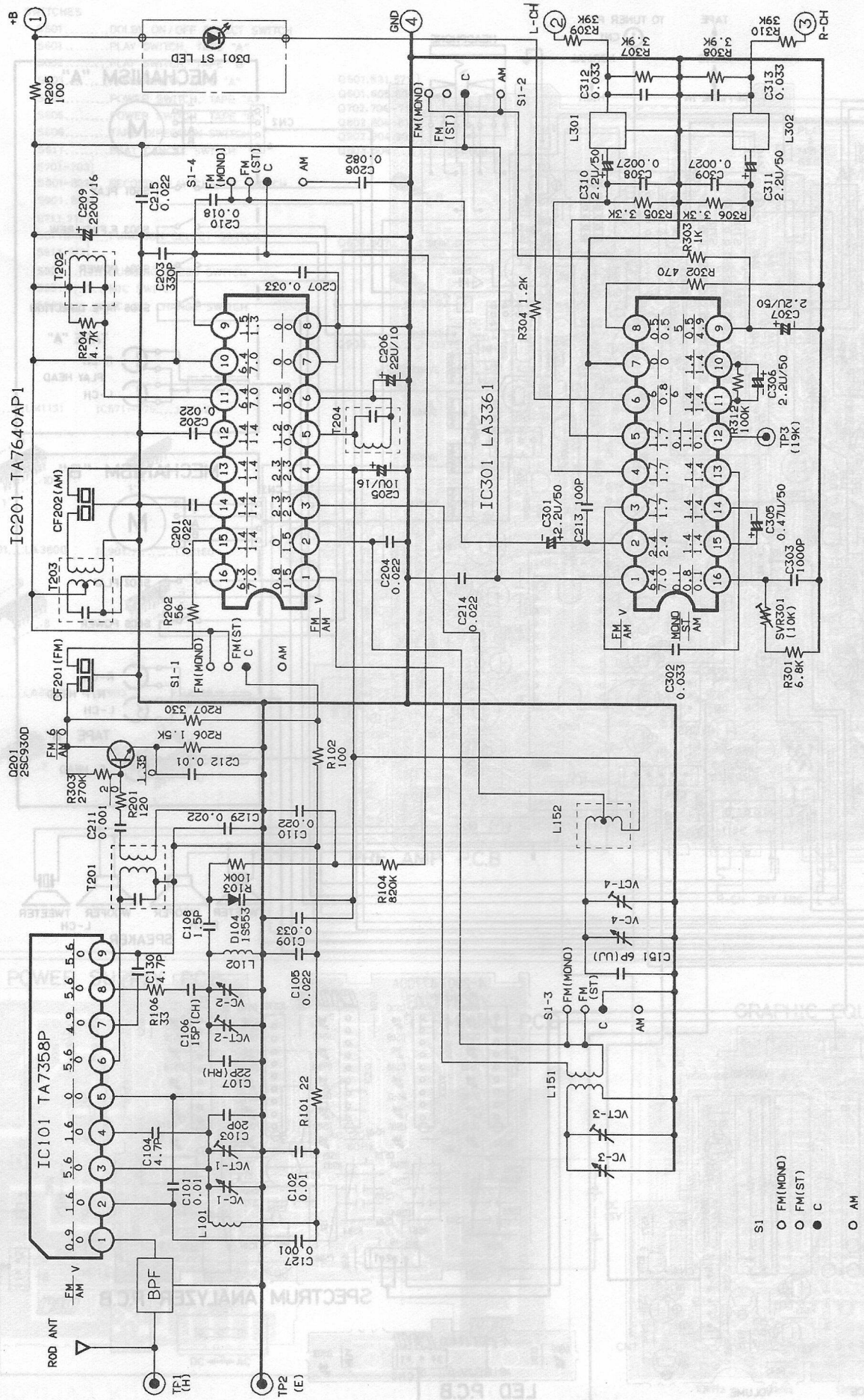
IC903.....LA4108

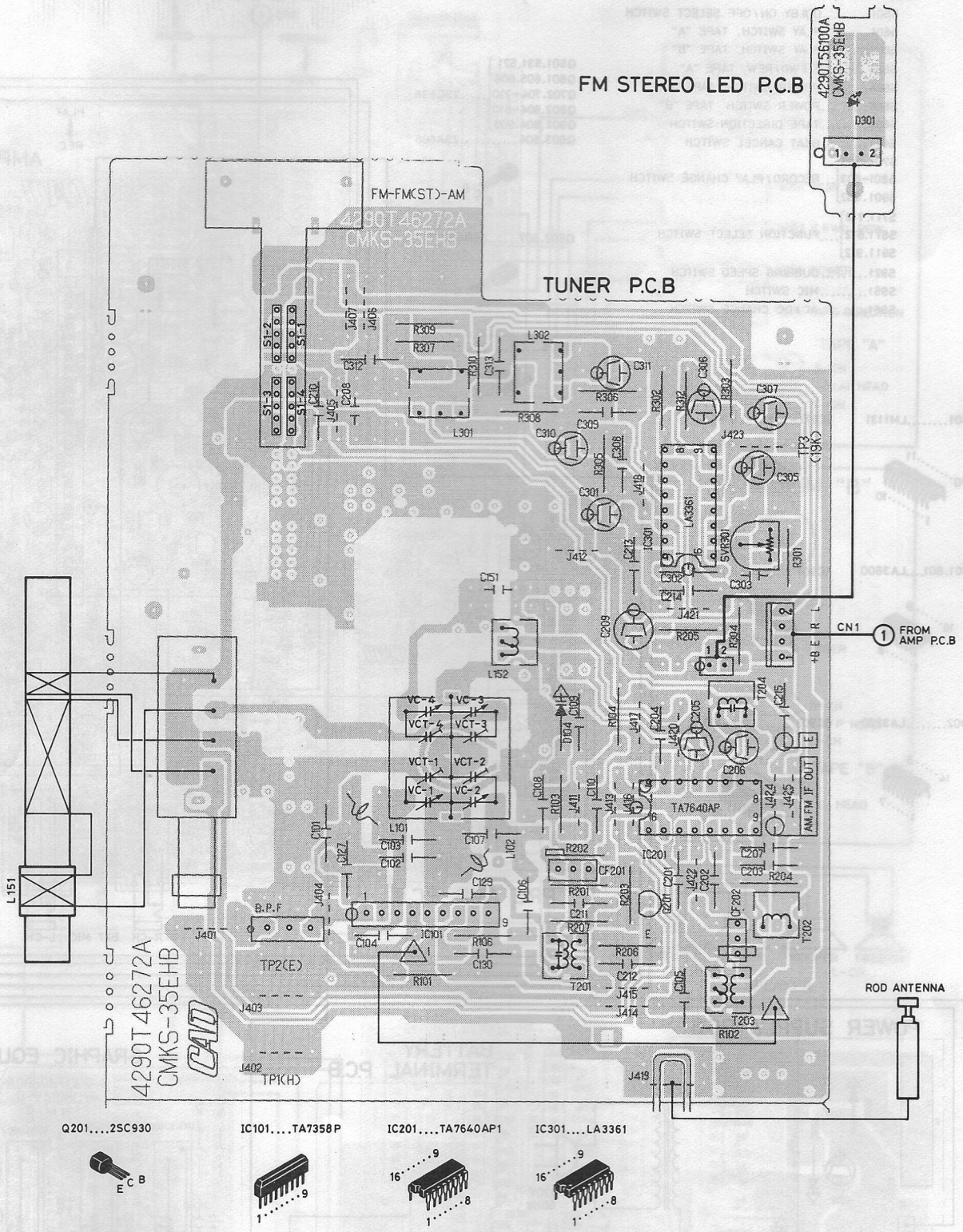



OFF
ON
TAPE
RADIO
CD / LINE IN
TO TUNER P.C.B
CN1
NORMAL
HIGH
HEADPHONE
MECHANISM "A"
CN2
S601 PLAY
S603 F.FWD/REW
S604 POWER
S606 TAPE DIRECTION
TAPE "A"
R-CH
PLAY HEAD
L-CH
MECHANISM "B"
CN3
S602 PLAY
S605 POWER
R-CH
R/P HEAD
L-CH
TAPE "B"
E. HEAD
TWEETER
WOOFER
R-CH
WOOFER
TWEETER
L-CH
SPEAKER
SVR604
SVR603
SVR602
SVR601
S501
S921
S811
S711
S712
S812
S911
CN7
CN6
CN5
CN4
S611
B PLAY
A/B POWER
FF/REW
EARTH
IC903
LINE IN
4-290T47700A
UB194V-0
SPECTRUM ANALYZER P.C.B
4-290T47400
UB194V-0
LED P.C.B
VR901
VR701/801
BALANCE
VOLUME

Japan.

SCHEMATIC DIAGRAM (TUNER)





For parts or service contact

SFS CORPORATION

SFS CORPORATION: 1200 WEST WALNUT STREET, COMPTON, CALIFORNIA 90224

May,/'87/4000 KM

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